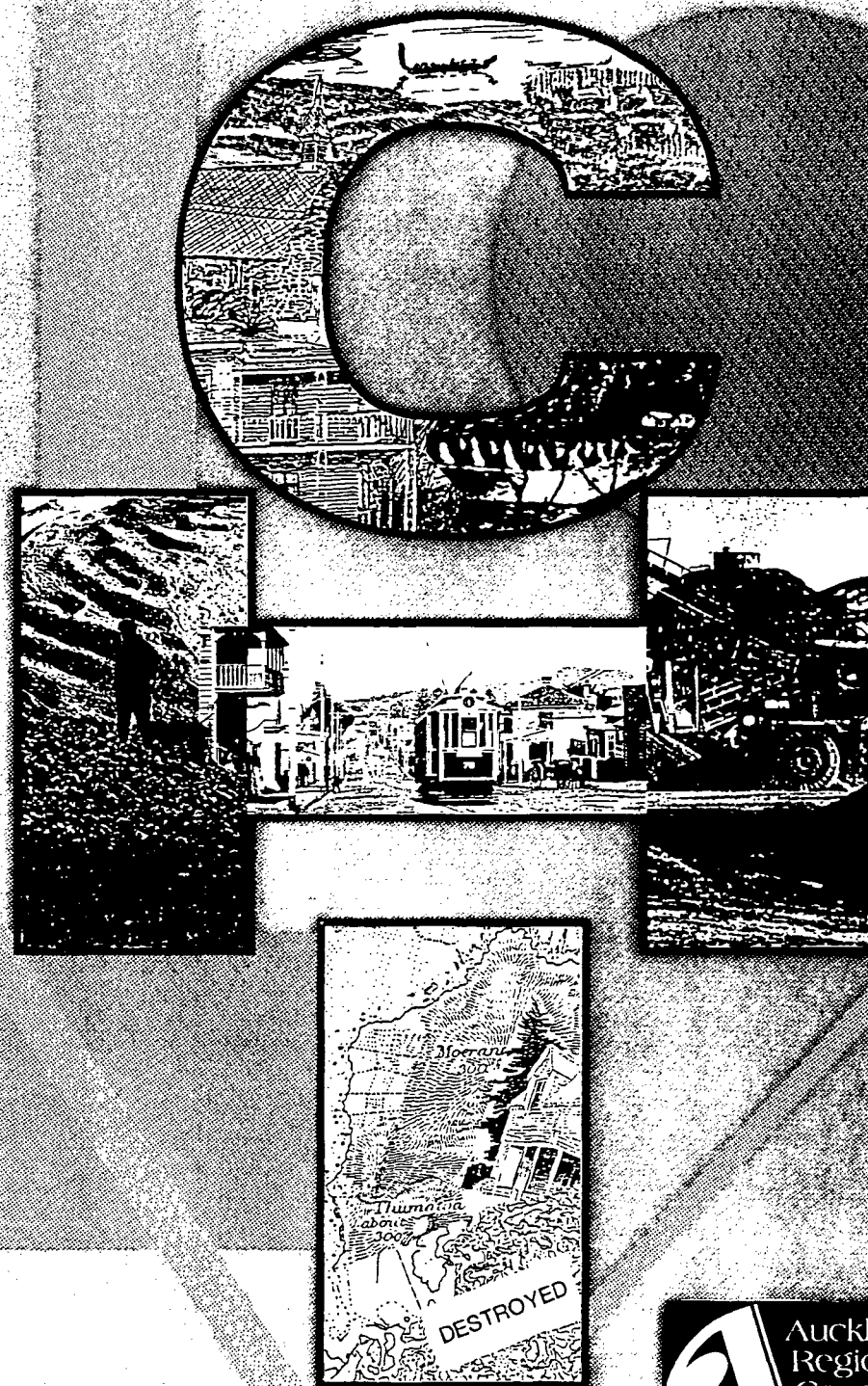


CULTURAL HERITAGE INVENTORY

August 1995



Auckland
Regional
Council
ENVIRONMENT



MANUKAU CITY

CULTURAL HERITAGE INVENTORY: ARCHAEOLOGICAL SITES WITHIN MANUKAU CITY

Barry Baquie
and
Ian Lawlor

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PREFACE

The strategic location and rich natural resources of Manukau City have attracted human settlement for a millennium. Successive waves of migration, occupation and conquest have left the district with a rich and unique cultural heritage. This heritage has been woven from many strands and lies in a series of layers over the land and waterways of the district. It is perceived and valued from many different perspectives which are tribal, local and personal in scale.

The cultural heritage resources of Manukau City have been depleted and fragmented as a result of pressures placed on the City by urban growth, commercial development and resource use. A significant proportion of the historic places and areas that made the district unique, both in the Auckland Region and New Zealand have been modified or destroyed.

The cultural heritage of Manukau City is however not static, and is constantly evolving and being created. That which remains consists of a rich array of taonga including : archaeological sites, historic places, historic areas, wahi tapu, wahi tapu areas, buildings, objects, artefacts, natural features of historical and cultural significance, historical and cultural associations, placenames, agencies, institutions, and most importantly people.

Manukau's cultural heritage defines the City's unique identity in New Zealand. It is also fundamental to the identity of the Iwi and Hapu who have occupied the area for so many generations, and is central to the identity of the many communities and individuals who occupy the City today. In conjunction with the natural heritage of the City it engenders a sense of belonging, and creates the sense of place that is 'Manukau'.

The Resource Management Act 1991 and the Historic Places Act 1993 both recognise the central importance of cultural heritage resources to people and communities, and the social, cultural, and economic well-being they provide. This legislation outlines new imperatives and obligations to ensure that the cultural heritage resources of the City are sustainably managed. Most importantly, it provides opportunities to ensure that the cultural heritage resources of Manukau City are preserved, protected and enhanced for the benefit of present and future generations.

The base set of information contained within this Cultural Heritage Inventory for Manukau City is one step in the process of ensuring that these legislative obligations and opportunities are recognised and provided for in resource management planning and development processes.

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EXECUTIVE SUMMARY: MANUKAU CITY ARCHAEOLOGY

INTRODUCTION

This report presents the results of research into historic places and historic areas of Manukau City. The project was jointly developed and funded by Manukau City Council (MCC) Manukau Environment and the Auckland Regional Council (ARC) Environment Division. The project was similar to the Cultural Heritage Inventory (CHI) work completed for the Franklin District and North Shore City (see ARC Technical Publication No. 31 by J. Mosen Cultural Heritage Inventory: A Base Inventory for the Franklin District Sep 1993 and No. 41 by I. Lawlor Cultural Heritage Inventory: Archaeological Sites within North Shore City Jun 1994).

The report reviews archaeological site information for the area covered by Manukau City. It is based on the New Zealand Archaeological Association (NZAA) Site Record File for the Auckland region and the Department of Conservation (DOC), Wellington, Conservation Sciences Centre, Central Index of New Zealand Archaeological Sites (CINZAS). The archaeological sites are identified, mapped, listed and described with sufficient information to facilitate their ongoing management, protection and preservation. Previous archaeological site surveys and excavations are described and more specific directions are provided for ongoing management.

Additional information is included within the report on other historic places within Manukau City. These have been identified through the ARC Regional Coastal Plan maritime CHI studies or they have been previously recorded within district planning schemes, registers and lists. Appendices list bibliographic references, historic areas, buildings, objects, places structures and trees of historic or landmark value.

RESULTS

Archaeological survey and site information is tabulated, graphed and illustrated on a series of computer generated maps.

Archaeological site survey within Manukau City has been limited to 7,545 hectares (ie. 10 % of the total area). Work has concentrated on the Manukau Harbour shoreline, the volcanic stonefields Mangere, East Tamaki and Manurewa, and the eastern coastline of the City on the Hauraki Gulf. 1,035 archaeological sites have been formally recorded within Manukau City since 1960. 982 of these are related to Maori occupation and resource use and range from findspots, where artefacts and human remains have been discovered, to shell middens (67% of all recorded sites), to complex earthworks which identify cooking areas, house sites, food storage structures and defended settlements. The other 53 sites are either associated with European artefacts, or relate to European occupation and resource use. They include missions stations, constabulary and military associated structures, house and homestead sites, stonework and earthworks which are frequently associated with early European farming activities, stone jetties and quarries, dams, mill sites and a shipwreck. Sites dating to historic times (ie. post 1769) are presently under-recorded.

The Manukau City CHI project provides an information base for ongoing work. The information will be invaluable in assessing whether or not proposed activities will impact on recorded sites, in initiating archaeological site surveys and cultural heritage assessments in areas proposed for development, and in providing a background to help understand Tangata Whenua relationships with taonga and wahi tapu.

OUTCOMES

Two key recommendations are made in the report to facilitate ongoing protection and preservation of a diverse and representative range of heritage resources:

That Manukau City Council initiate a regular programme of work to develop the existing Cultural Heritage Inventory (CHI) through consultation, research and the identification, evaluation, management and monitoring of historic places and areas

and

That Manukau City Council establish an ongoing consultation process with Tangata Whenua (a) to identify ancestral lands, water, sites, wahi tapu and other taonga, and (b) to determine a process for managing this information and the places and areas of significance.

While compiling the base inventory a number of gaps and deficiencies within the records have been identified. These are listed below and some suggestions are made to assist with the development of a regular work programme:

- (1) Areas not yet systematically surveyed for historic places and areas need to be covered (see Figure 14 blank areas "*not systematically surveyed*"). Development pressures can be used as a way of identifying priority areas for survey. For example, the areas proposed for quarrying and subdivision might be given a higher priority than areas that are not presently proposed for development;
- (2) Recorded archaeological sites need to be revisited regularly, monitored and information systematically upgraded (e.g. to note changes in their state or condition, threat of damage or destruction, location, land ownership and management, Tangata Whenua relationships, to provide a photographic record etc). Archaeological site survey dating to the 1970s is out of date and incomplete and existing information is sometimes limited. Accurate location information is a prerequisite for good management and planning and is not yet available for many archaeological sites;
- (3) Archaeological sites only identified from aerial photographs, or those which have only been informally reported or are considered doubtful, need to be field checked, and NZAA site record information upgraded in consultation

with the NZAA Regional Filekeeper and the DOC Auckland office (see Figure 14 "*aerial photography survey cover*");

- (4) A systematic review of artefacts found within Manukau City would provide a useful addition to this archaeological site record based study. Private collections of both Maori and European artefacts are known to exist, besides museum collections, and an inventory of these finds and their provenance should be completed (Section 2.4.5);
- (5) Human bones and burials have been found within Manukau City but the record is incomplete. More detailed research into police, museum and university records is required to obtain an accurate and more comprehensive picture (Section 2.4.7);
- (6) Shell midden sites, especially those within coastal locations, are under threat and are susceptible to erosion and damage from the sea and people. Some of these are worthy of further investigation and excavations should be undertaken, with the approval and involvement of Tangata Whenua, to retrieve information about old Maori occupation that will inevitably be lost (Section 4);
- (7) Remains of early European activities, which are under-recorded within Manukau City, should be examined and opportunities for the protection, preservation and presentation of specific sites and structures and features should be realised (Section 2.3.1);
- (8) Reported historic places and areas need to be field checked and recorded (Section 9);
- (9) Recorded, doubtful and reported historic places and areas need to be systematically evaluated for preservation and protection. Although there are 1,035 sites presently recognised within the Manukau City very few are registered, scheduled or listed (see Sections 2.3.2, 2.3.3 and 9);
- (10) Significant historic places and areas need to be scheduled in the Manukau City Plan using values and criteria contained within the Proposed Auckland Regional Policy Statement (1994 p.7-6) and the Historic Places Act 1993;
- (11) Historic places and areas should be reviewed for Registration under the Historic Places Act 1993 using a consistent approach;
- (12) An education programme needs to be developed to inform Manukau City Council employees and the general public of the cultural heritage that exists within the City. The Manukau City CHI report should be accessible to the public and an informative cultural heritage brochure based on this report might be produced;
- (13) Management plans for public open space areas with significant cultural heritage components should be reviewed and upgraded so that the historic values and their preservation and protection are promoted;

- (14) Tangata Whenua requests to have silent files containing sensitive traditional information should be examined. There are 990 recorded sites of that are of Maori origin in Manukau City. Presently there is very limited knowledge of the association and relationship Tangata Whenua have with these sites. It is important to appreciate that these places may not necessarily involve physical structures, like the archaeological sites, but may be places of traditional importance that relate to ancestors or incidents in history; and
- (15) Qualified professional staff or consultants with relevant experience should be employed, along with Iwi representatives,] to undertake cultural heritage work including identification, recording, assessment, interpretation and management.

To summarise, the CHI has shown that many archaeological sites and historic places and areas have yet to be recognised and provided for in resource management planning. Much of Manukau City remains to be surveyed and assessed for archaeological sites and places of historic significance.

The report does not identify Tangata Whenua relationships with the archaeological sites nor does it provide an historical overview. These elements of cultural heritage should be recognised and provided for in the future. The archaeological record provides only one part of the picture and is primarily related to physical structures and features; oral traditions and historic records need to be examined and related to the archaeological evidence. Further research and consultation with Iwi, historic interest groups and the wider community will be necessary in order to help understand the relationship that they hold with these historic places and areas. This will allow the historic places, historic areas, wahi tapu and wahi tapu areas within Manukau City to be fully recognised and it will provide a sound foundation for their ongoing preservation, protection and management.

Barry Baquie
and
Ian Lawlor

August 1995



Plate 1.1

Te Pane a Mataaho Mangere Mountain (R11/26)
showing the crater, rows of pits along the rim and the
eastern end of the Manukau Harbour in the distance.

Plate 1.2

Te Pane a Mataaho Mangere Mountain (R11/26)
showing stock damage to archaeological earthwork
features.

Plate 1.3

Te Manurewa o Tamapahore Wiri Mountain
stonefields (R11/1188 showing a European drystone
wall (foreground) and bulldozed remnants of old
Maori gardens and occupation sites.



1. INTRODUCTION

1.1 Background

This report presents the results of research into the historic places and historic areas of Manukau City (Figure 1). Particular emphasis has been given to the archaeological sites. The project was developed and jointly funded by Manukau City Council (MCC) Manukau Environment and the Auckland Regional Council (ARC) Environment Division.

The project is part of a region-wide Cultural Heritage Inventory (CHI) being developed by the ARC with the assistance of territorial local authorities and other heritage agencies within the region. The following reports on the project have been produced to date as ARC Technical Publications: CHI: Scoping Exercise for the Auckland Region (Lawlor 1991); CHI: A Base Inventory for the Franklin District (Mosen Sep 1993); and CHI: Archaeological Sites Within North Shore City (Lawlor Jun 1994).

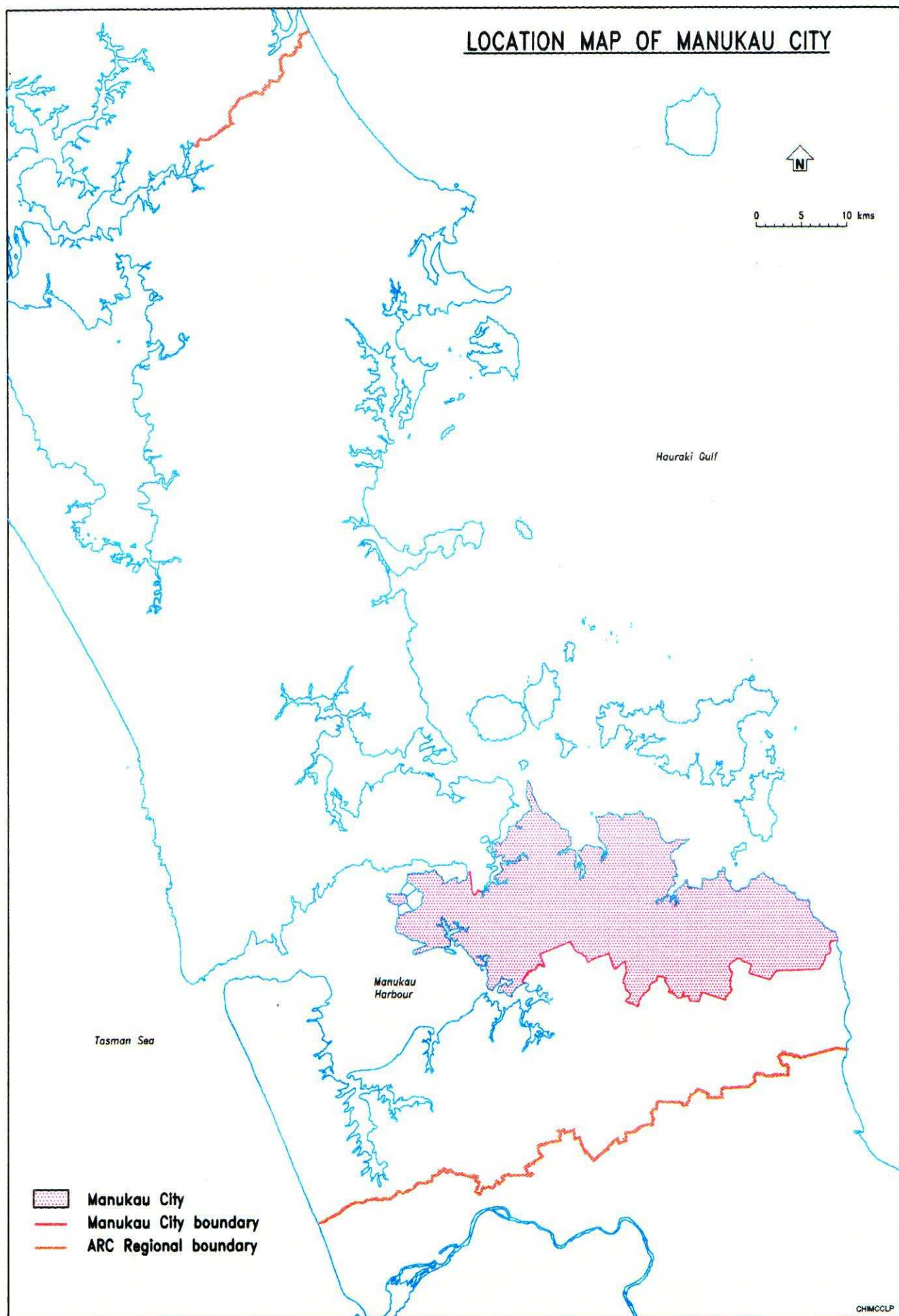
The CHI is a series of computer databases which are used for storing cultural heritage information. The data is used to generate AutoCAD maps which show the location of Maori and European historic places, historic areas and wahi tapu.¹

1.2 Objectives and Outcomes

The Manukau City CHI project had 2 primary objectives: firstly, to identify cultural heritage items that are of value within Manukau City (e.g. historic sites, buildings, objects, places and areas of historic interest); and secondly, to establish an inventory of these items to be used in resource management planning. The scope of the programme was broadly defined by the following directives:

- (1) to consult with Tangata Whenua and other Maori groups having interests in ancestral lands, water, sites, wahi tapu and other taonga;
- (2) to consult with groups and individuals having interests in recorded sites, buildings, places and areas of historic interest;
- (3) to research documentary archaeological material to establish the extent and contents of past archaeological surveys;
- (4) to research documentary material to establish the extent and detail of past assessments of sites, buildings, places and areas of historical interest;
- (5) to devise methods to identify taonga of Maori interest while protecting sensitive information;
- (6) to compile maps depicting information collected for presentation; and
- (7) to compile a report describing consultation completed, recorded sites, buildings, objects, places and areas of historic interest and archaeological surveys and investigations completed to date.

FIGURE 1



Consultation was to be undertaken with Tangata Whenua, other Maori groups, historic interest groups and individuals involved and concerned with cultural heritage issues. However, time constraints have limited exploration into some of these directives.

Seven outputs were to be produced:

- (1) a map showing areas of completed archaeological site survey and the location of recorded archaeological sites;
- (2) a map showing the location of known sites, buildings, places and areas of historic interest;
- (3) a map showing areas where archaeological site surveys and heritage assessments are required for District planning purposes;
- (4) Lists of recorded sites, buildings, objects, places and areas of historic interest.
- (5) a record of consultation complete;
- (6) a bibliography of references to heritage items and local histories; and
- (7) a report describing the current status of cultural heritage information and a set of recommendations to direct future work.

Outputs (2) and (4) have not been achieved. This is because MCC heritage planning staff were unable to produce the necessary information and supply grid references for map production. The proposed MCC District Plan heritage chapter should be consulted for information on the location of areas, buildings and other places of historic interest.

Although the MCC CHI project has focused on the archaeological record, some additional cultural heritage research results and information have been incorporated to facilitate future work. This includes historic map and plan information, recently identified maritime cultural heritage sites (the CHI Maritime Heritage project; see Taylor Sep 1993), and cultural heritage items identified in past district planning schemes (the CHI Planning Schemes project).

1.3 Previous Inventories

There are a number of inventories which list and describe heritage items located within Manukau City. Some of these are briefly discussed.

In November 1973 Agnes Sullivan produced a working paper on a Site Survey of Lower Pukaki Creek. The paper provides very detailed descriptions of the biophysical environment of the Pukaki Creek, local history and recorded archaeological sites. Figures and tables summarise site midden analysis results and include stratigraphic profiles and broad site location maps. This work, together with the working paper listed below, were produced as part of a PhD research programme.²

In February 1975 Agnes Sullivan produced a second working paper entitled Check List of Archaeological Sites at Crater Hill, Papatoetoe. The sites located on this volcanic tuff ring are described in detail and maps pinpoint positions and areas of archaeological structures and features.

In 1980 the Manukau City Council produced a book entitled Historic Buildings in Manukau City. Each building is briefly described and supported with illustrations by the artist Andrew Hall.

In 1981 Judith Macdonald and Susan Bulmer produced a report entitled Archaeological Sites of West Manukau which reviews the archaeological resources of the eastern shores of the Manukau Harbour. This report gathered together the site survey information produced during the Student Community Service Projects which operated in the late 1970s early 1980s. The following areas are covered: Ambury Park, Mangere Mountain, West Mangere, Mangere Lagoon, Puketutu Island, Ihumatao, Pukaki and Waokauri Creeks, and Crater Hill, Papatoetoe. Maps and plans show the location of recorded sites and the supporting text provides historical background information. The sites in specific areas are listed and the report is concluded with a list of recommendations to facilitate ongoing research.

In 1983 Vivien Rickard, David Veart and Susan Bulmer produced a report for the NZHPT entitled A Review of Archaeological Stone Structures of South Auckland. The objective of the work was to review and assess the remaining areas of stonefields because of their continued destruction. The archaeological evidence recorded in a number of areas is examined including that found at Ambury Park, West Mangere, Wiri, McLaughlin's or Puhinui, East Tamaki, and Motukorea (Browns Island). Maps of broad areas, and more detailed plans of individual fields and structures, are supported with detailed descriptions and photographs. The report provides a good summary of the information gathered through the 1970s up until the summer of 1983.

In 1988 the Department of Conservation, Auckland, produced a report for the Manukau City Council entitled An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance (Foster et al Aug 1988). Thirty-seven sites are described in detail and appendices provide accurate location maps and the NZAA site record forms.

In April 1990 Huakina Development Trust, Pukekohe, prepared a report for the Auckland Regional Water Board entitled Manukau Harbour Action Plan: Tangatawhenua Perspective's on Manukau Harbour. Section D of the report provides an assessment of the Manukau Harbour catchment archaeology. The text provides a review of the history of site survey and mapping, and area studies focus on the site evidence located within the sub-catchments of the harbour; Manukau City is referenced within the north-eastern and southeastern subcatchment sections (*ibid*: 54-60). The discussion is concluded with a brief review of investigations and excavations.

More recently, in 1994, Susan Bulmer has produced a comprehensive list of all published and unpublished material on the archaeology of the Tamaki district including Manukau City. The report was produced by the Department of

Conservation, Wellington, within their Science and Research series and is entitled Sources for the Archaeology of the Maaori Settlement of the Taamaki Volcanic District. All of the archaeological sites excavated are summarised and an updated list of radiocarbon age estimates is appended.

The most comprehensive inventory in existence for Manukau City is the NZHPT historic places inventory entitled the Historic Places Inventory Manukau City Manukau City (Including Howick and Otahuhu Boroughs and Papakura & Papatoetoe Cities) August 1988 (first issued in Jan 1985).³ This is designed to inform planners and land users of the location of known sites and to allow them to become aware of areas in which they are likely to encounter archaeological sites. The inventory list archaeological sites, historic buildings, Maori buildings and other historic places. The data for archaeological sites is derived from the New Zealand Archaeological Association (NZAA) site recording scheme database. Sites are located on NZMS 261 1:50,000 cadastral maps.

While these types of inventories are helpful their utility in resource management is limited. The main disadvantages are:

- (1) archaeological sites located on maps (on the Aug 1988 edition) are neither numbered nor related easily to the attached lists;
- (2) the archaeological information provides no indication of the significance or survival of the sites;
- (3) it takes time and effort to identify and locate places and areas of concern;
- (4) the scale of maps limit their usefulness;
- (5) classified buildings and other historic places and areas are not located on maps; and
- (6) the information becomes outdated.

In comparison, the CHI which is summarised in this report, provides more detailed and current information. Reported places not yet formally recorded and field checked are included, there is a comprehensive bibliography, and cultural heritage items are identified on NZMS 260 1:50,000 maps. A key point is that the CHI is based upon consultation with a broad range of heritage agencies and specialists.

The New Zealand Archaeological Association (NZAA) Site Record File is the primary database for archaeological sites found within Manukau City. It is presently managed by the NZAA Auckland Regional Filekeeper, Brenda Sewell, who is a Department of Conservation archaeologist. All site recording in the region is based upon this paper file system and it is backed up by a duplicate set of files held within a Central Site File in Wellington. This file is managed by the Central Filekeeper, Tony Walton, who is an archaeologist with the Department of Conservation, Conservation Sciences Centre. The Conservation Sciences Centre also holds and maintains a computer database called the Central Index of New Zealand Archaeological Sites (CINZAS; originally referred to as the New Zealand Register of Archaeological Sites

or NZRAS). This Index holds a subset of information derived from the NZAA site file and forms the basis of the CHI archaeological site database called NZAASRF.

1.4 Report Format

The report is divided into 11 sections. The project and report are introduced (Section 1). The archaeological record is then examined (Section 2). Maps depicting site distributions and survey areas are presented and summarised. A single map shows the distribution of archaeological sites with Manukau City and another shows areas which have good site survey coverage, incomplete coverage and aerial photography based coverage. Numbers on the survey map provide cross references to bibliographic lists which have been attached as appendices. Nine 1:10,000 scale maps (appended to the back of the report) provide more detailed information on site locations across the western half of the City where there are significant concentrations of sites and ongoing development pressures. Subsections review the history of survey with Manukau City, survey coverage, the quality and quantity of information, and some suggestions are made to direct future work. Archaeological site types are then described in more detail (Section 2.3) and specific information is provided on historic sites (Section 2.3.1) and Maori archaeological sites (Section 2.4) including middens, terraces, pits, depressions and house sites, pa, artefact finds, stonework, and human bones and burials.

Section 3 reviews chronologically the archaeological investigations that have been undertaken within Manukau City. Excavations of the following sites are covered: Oue Pa (3.1.1), Maungataketake Ellett's Mountain (3.1.2), Te Manurewa O Tamapahore Wiri Mountain (3.1.3), Matukutureia McLaughlin's Mountain (3.1.4), Wiri Oil Terminal stonework (3.1.5), Ambury Park stonework (3.1.6) and midden sites (3.1.7), Waokauri Creek midden site (3.1.8), Crater Hill occupation and garden sites (3.1.9), Wiri Railway Quarry stonework (3.1.10), East Tamaki Harris Road and the Stevenson's Block (3.1.11) and Allen's Road stonework areas (3.1.12), Te Wharau occupation areas (3.1.13), Cryer's Road stonework and occupation areas (3.1.14), Shaw Block stonework and occupation areas (3.1.15), Matanginui stonework and midden (3.1.16), Mangemangeroa midden (3.1.17), Tapapakanga stonework and gardens (3.1.18), Wairoa River pa site (3.1.19), Buckland's Beach midden (3.1.20) and Papahinu historic village site (3.1.21). The section is concluded with a brief review of radiocarbon age estimates for occupation and a summary discussion.

Section 4 reviews site management of archaeological sites within Manukau City. The history of this work is briefly reviewed and the current knowledge on the state or condition of sites is presented.

The following 5 sections present the results of recent CHI research that relate to Manukau City. Maritime cultural heritage sites are briefly reviewed using a list and map (Section 5), research into historic maps and plans is summarised (Section 6), reported sites not yet formally recorded are listed (Section 7), wahi tapu are reviewed and related Iwi authority policies are referenced (Section 8) and cultural heritage items listed in Manukau City planning schemes dating from 1984 to 1993 are identified and reported on (Section 9).

The report is concluded with a summary discussion (Section 10) and a list of recommendations (Section 11). Footnotes, references and appendices complete the text. Appendices include: a preliminary bibliography for Manukau City listed by author (Appendix 1); a preliminary bibliography for Manukau City listed by computer database sequence number (Appendix 2); a summary list of Manukau City archaeological sites (Appendix 3); a preliminary list of Manukau City historic maps and plans listed by CHI database computer sequence number (Appendix 4); a preliminary list of Manukau City historic areas, buildings, objects, places and structures (Appendix 5); a preliminary list of Manukau City historic and landmark trees (Appendix 6); a preliminary list of Manukau City maritime cultural heritage sites (Appendix 7); a list of archaeological sites in Manukau City planning schemes dating between 1984 and 1993 listed by NZAA metric site number (Appendix 8); and a list of archaeological sites registered with the NZHPT under the Historic Places Act 1993 by NZAA metric site number.

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2. ARCHAEOLOGICAL SITES

Note: Under the Historic Places Act 1993 it is unlawful to destroy, damage or modify an archaeological site in any way without an authority from the New Zealand Historic Places Trust, Wellington. Any application for such an authority must include:

- (1) a description of the activity for which the authority is sought and its location;
- (2) a description of the archaeological site over which the authority is sought;
- (3) an assessment of archaeological, Maori and any other relevant values and the effect that the proposed activity will have on them;
- (4) a statement of consultation with Tangata Whenua and any other person likely to be effected; and
- (5) the consent of the owner of the land on which the activity is to occur.

An application form may be obtained from the New Zealand Historic Places Trust, PO Box 2629, Wellington. The NZHPT has up to 3 months in which to make a decision on an application with the ability to extend this period under special circumstances. The Trust may decline or grant an authority with or without conditions.

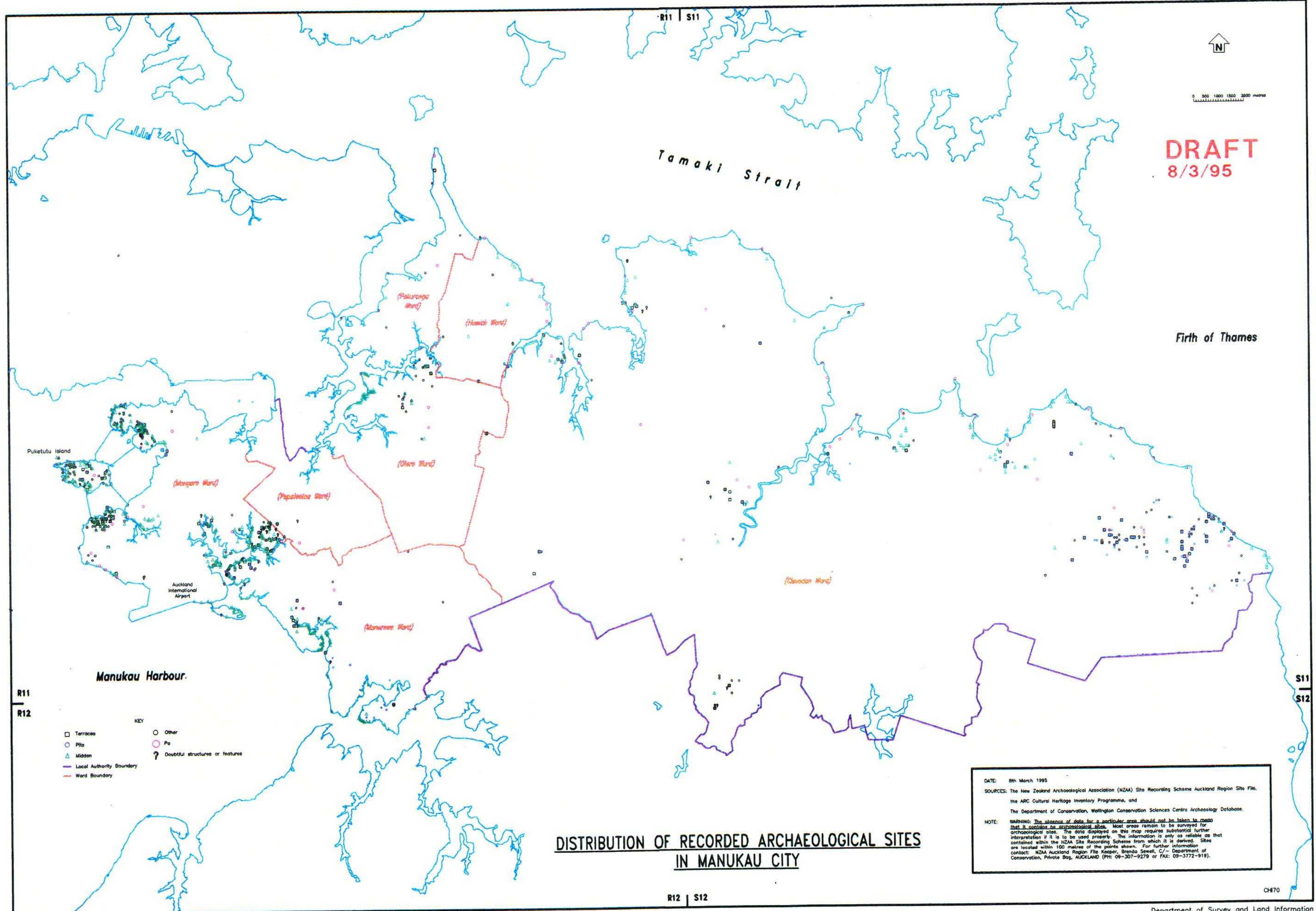
2.1 Maps

Archaeological site information has been illustrated on 13 AutoCAD computer generated maps (Figures 2 to 12 and 14). It is important to remember that the maps show information recorded by European specialists; there are many more places, areas and wahi tapu of Maori significance that are not shown.

Figure 2 shows the complete Manukau City archaeological site distribution that covers parts of the Department of Survey and Land Information NZMS 260 1:50,000 metric map sheets R11 Auckland, R12 Pukekohe, S11 Waiheke and S12 Maramarua. This is a useful map because it gives a very general picture of the location of sites. However, **the map has a number of limitations that must be recognised and it should only be used to make preliminary assessments.** The first limitation is that the site symbols identify places that range considerably in size. A symbol may represent a single shell midden covering a few square metres (e.g. R11/892 [N42/935] on the banks of the Tamaki River, Waiohuru Peninsula),⁴ or it may identify a broad area of middens extending across metres of coastline (e.g. R11/234 [N42/238] on the banks of the Pukaki Creek at Papatoetoe). Alternatively, it may represent a volcanic cone hill or remnant stonefield covering many hectares (e.g. R11/26 [N42/18] on Mangere Mountain or the Puhinui stonefield gardening and occupation site R11/25 [N42/17]).

A second limitation is that the site distribution can be misrepresented without substantial further interpretation. This point is reinforced on each map with the warning note:

FIGURE 2



"The absence of data for a particular area should not be taken to mean that it contains no archaeological sites. Most areas remain to be surveyed for archaeological sites. The data displayed on this map requires substantial further interpretation if it is to be used properly. The information is only as reliable as that contained within the NZAA Site Recording Scheme from which it is derived. Sites are located within 100 metres of the points shown. For further information contact: NZAA Auckland Regional File Keeper, Brenda Sewell, C/- Department of Conservation, Private Bag 68 908, Newton, AUCKLAND (PH: 09-307-9279 or FAX 09-377-2919)."

A third limitation is that the information becomes outdated. Archaeological site survey and recording is an ongoing process. The information for sites already recorded is updated continually with new sites being added to the NZAA site record files, and areas of development being surveyed and assessed for historic places. To remedy this problem, each map contains two other pieces of information besides the warning note. A date identifies the age of NZAA site file information used to compile the maps (e.g. 8 March 1995) and the sources are also listed with contact names and phone numbers:

"For further information contact: Ian Lawlor (Archaeologist) or Graeme Murdoch (Historian), ARC Environment, Private Bag 68 912, Newton, AUCKLAND (PH: 09-379-4420 or FAX 09-366-2155)."

Through this information, those using the maps know how old the data is and they can contact either the NZAA File Keeper at DOC or the ARC Environment Division for more up-to-date information. Finally, each map has a large date to identify when it was produced (e.g. **DRAFT 7/3/95**).

Nine larger scale maps (1:10,000) have been developed specifically to facilitate site management (refer to Figures 3 to 12 at the back of this report). They cover the following areas (from west to east): Puketutu Island (West) R11 3.3 (Figure 4); Puketutu Island-Mangere R11 4.3 (Figure 5); Ihumatao R11 4.4 (Figure 6); Pukaki-Puhinui R11 5.4 (Figure 7); Tamaki River R11 6.3 (Figure 8); Manurewa R11 6.4 (Figure 9); Wattle Downs R11 6.1 (Figure 10); Whitford R11 7.3 (Figure 11); and Alfriston R11 7.4 (Figure 12).⁵ Figure 3 provides a key to the location of these maps.

A considerable amount of planning design has gone into compiling these maps to remedy some of the limitations that are imposed by the smaller scale maps (outlined above). They have been reproduced in this report at A3 size on white paper to provide key information. They were, however, originally designed to be used as A1 size tracing paper overlays for the ARC 1:10,000 Aerial Photograph Prints and Cadastral Base Map Series. Copies of the latter maps will be held by the key heritage agencies (DOC, NZHPT, MCC Manukau Environment and Tangata Whenua). In the future the maps will be used in a Geographic Information System (GIS) being developed by the ARC.

The following points should be noted concerning the large scale maps:

- (1) both metric and imperial NZAA site numbers have been shown on the maps to facilitate identification and management. It is sometimes confusing to those not familiar with the numbering system because many publications on Manukau City archaeology refer to sites only by their imperial numbers. However, when a site is referenced today, it is more correct to only refer to

the metric number. In this report, when a site is first identified, the imperial number is shown in brackets (e.g. R11/45 [N42/37], Papahinu Pa located on Chapel Point, Pukaki Creek, Papatoetoe);

- (2) appendices provide summary lists of archaeological site information. Appendix 3 lists all sites by their NZAA metric site number and provides imperial numbers, metric and imperial grid references, site type descriptions and the CHI computer database number;
- (3) site locations based on the NZMS 260 metric map grid references have been corrected using the NZAA site record files and the AutoCAD computer mapping system. The resulting references have been reported to the NZAA Auckland Regional File Keeper to update site records;
- (4) site type descriptions are based upon an analysis of the NZAA Site Record File and the DOC Wellington Conservation Sciences Centre Central Index of New Zealand Archaeological Sites (CINZAS). The maps depict 5 key site classes: terraces, pits, shell midden, pa, and an all inclusive category entitled 'other' (see Figures 6 and 7). Where file record research has shown sites to be incorrectly identified, new type descriptions have been assigned and the additional information forwarded to the NZAA File Keeper to update records;
- (5) additional key symbols identify site areas or structures and features, historic sites (i.e. places associated with European artefact finds or occupation) and sites where the identification of the site type or structures and features is doubtful (e.g. '?'). Regarding the doubtful sites, it is important to check the site type lists in the appendices to find out where the doubt lies. (For example, see Figure 7; R11/574 [N42/605] identifies four slight depressions identified as doubtful terraces);
- (6) areas where archaeological site survey has been completed are shown using 3 shading keys to depict the quality of the completed work: incomplete coverage, good coverage and aerial photography survey coverage (see Figure 14). This information has been based upon site survey reports and personal communications with surveyors to determine the location and extent of survey;
- (7) cultural heritage items that have been **scheduled and listed** in district planning schemes have been listed (Appendix 8);
- (8) archaeological sites that have been **registered** with the NZHPT have been listed (Appendix 9); and
- (9) there is a second overlay map for each of the nine 1:10,000 scale maps which provides the NZAA site record number for each site. These overlays have not been included with this report, but are held by the key agencies.

Finally, it is important to note that these maps summarise our current understanding of the archaeological site record. They will need to be edited and upgraded as new site recording is completed and cultural heritage identification and evaluation is

undertaken. This should be done on a regular basis, at least once a year, to ensure that the information is current and reliable.

2.2 Site Survey

Interest in recording the remains of both Maori and European settlement sites located within Manukau City has a long history with much of the early work being associated with members of local historical societies and museums. However, the first publications tended to focus on the history and traditions of the Maori occupants within the wider Tamaki area, rather than on the physical remains of particular sites (for example, see White 1888, Smith 1897 and Graham 1920, 1922 and 1925). Many of the prominent volcanic cones were first described by the German geologist Dr F. von Hochstetter (1864) when he visited the Tamaki area in 1858-59. In his book entitled Geology of New Zealand he stated:

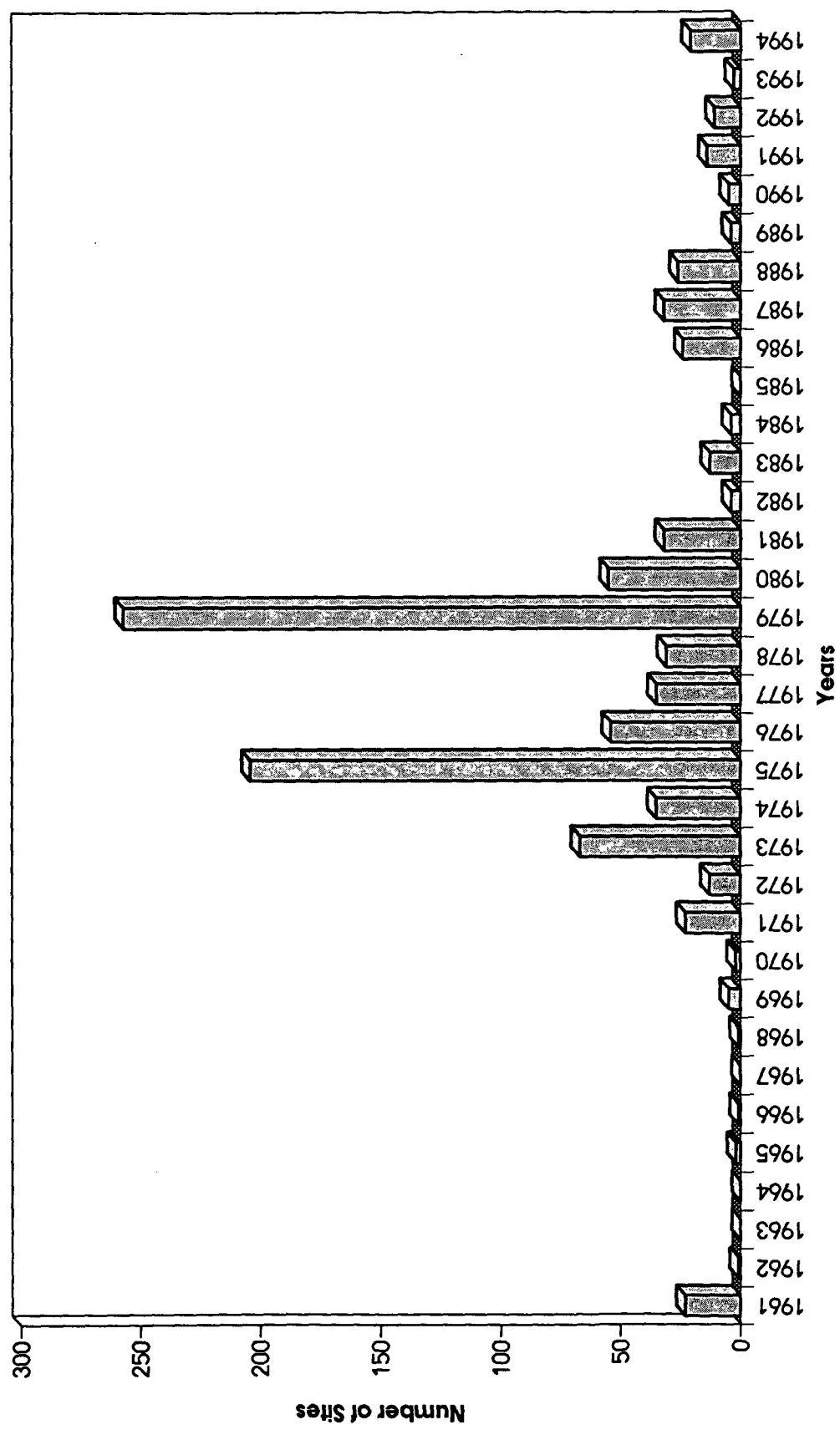
"Those extinct volcanoes were at one time acting the part of mountain like castles of the middle ages. By their commanding position and the prospect far o'er the country, they were exceedingly well adapted for watch towers and forts. As in Europe the ruins upon rock and mountain heights are the gloomy mementoes of club-law, where might alone made right, so also the heights of New Zealand are peculiarly marked as the fastnesses and places of refuge of powerful and tyrannical warriors and chiefs." (referenced in Fowlds 1967)

Some of the cones were later photographed in the late 1800s by Boscawen (see Simmons 1987; also refer to Bulmer 1994). More details of the Maori history can be found in Fenton's Important Judgements Delivered in the Compensation Court and Native Land Court 1866-1879 (1879:53-96).

Geoff Fairfield visited a number of pa in the early 1900s having been brought up in Tamaki and shown sites by his grandparents (Fairfield n.d.). He later photographed some sites from the air and reported on the stonework and earthwork structures on Puketutu Island (Fairfield 1938) and recorded in detail Pakuranga Pa or Pigeon Mountain (R11/38 [N42/30]). In a book, entitled Pigeon O Huiarangi Mountain: The Birth and Death of a Volcano, the history of the Pa is outlined, early attempts to preserve it from quarrying are reported, and its subsequent destruction described and illustrated (Fairfield 1992). This site was also visited and recorded by Vic Fisher (10 Apr 1934) who was associated with the Auckland Institute and Museum and was also involved with excavations at Oue Pa at Clevedon (see Section 3.1.1 below).

Systematic site survey began in Manukau City in the late 1950s very soon after the New Zealand Archaeological Association (NZAA) Site Recording Scheme was established (Figure 13).⁶ Bob (H.J.R.) Brown recorded a number of places within the western part of the City, notably volcanic cone pa, which were identified through historic research and aerial photograph analysis.⁷ These included Matukutureia or McLaughlin's Mountain (R11/25 [N42/17]), Te Pane a Mataaho or Mangere Mountain (R11/26 [N42/18]), Pukeiti (R11/29 [N42/29]), historic settlement sites at Oruarangi and Pukaki (R11/64 [N42/57] and R11/71 [N42/64] respectively), Musick Point Pa (R11/23 [N42/15]), Waitomokia or Mount Gabriel (R11/28 [N42/20]), Otutataua (R11/30 [N42/22]), Maungataketake or Ellett's Mountain (R11/31 [N42/23]), Wiri Mountain (R11/32 [N42/24]), Te Puke O Tara or Smale's Mountain (R11/36

FIGURE 13 **Number of Archaeological Sites Recorded Within Manukau City Since 1961**



[N42/28]), Pakuranga or Pigeon Mountain (R11/38 [N42/38]), Papahinu or Chapel Point Pa (R11/45 [N42/37]).

In the 1960s Alan (W. A.) Taylor visited and reported on a number of sites located in Manukau City (see Taylor Jun 1961, Mar 1962, Mar and Jun 1963, Dec 1966, Sep 1968 and Jun 1970). These included Mangere Mountain, Puketutu Island Pa (R11/27 [N42/19]; also refer to R11/553 [N42/580] and R11/554 [N42/581]), Waitomokia, Pukeiti, Otutataua, Maungataketake, Te Puke Otara and Pakuranga. Structures and features on the pa are described and compared and artefact finds reported.

G. M. Fowlds, a member of the Auckland Committee of the NZHPT and Auckland Historical Society, was also actively concerned with the Maori history and occupation sites of the Tamaki Isthmus (1928, Jun 1960, 1964, 1965 and 1967). More particularly, together with Jack Golson (1957), an archaeologist from the University of Auckland, he concentrated on highlighting the continued destruction of the volcanic cones and the need to preserve some of them.

Many of the pa that were recorded and described by Brown, Fowlds and Taylor were prominent landmarks and considered to be important because of their historical and geological values. However, most of them were modified to some extent and some were regularly quarried for scoria and basalt to the point where nothing was left but a scared remnant of the former cone. Matanginui or Green Mountain for example (R11/24 [N42/16]) was the highest point in East Tamaki, but quarrying since 1870 has removed it totally from the landscape.⁸ Site recording of the remnant lower slopes of the volcanic cone pa was completed by Anne Leahy and Molly Nicholls in 1964 and is the only archaeological record of this important landmark. The management of sites is discussed further below (see Section 4).

During the late 1950s and the 1960s a number of histories were written which included references and illustrations of sites and areas. These included the descriptions of Maori occupation and history associated with Puketutu Island (Kelliher 1953) and Albert Tonson's detailed accounts of the history of Papatoetoe (1962) and Manukau City (1966).

Through the 10 year period between 1971 and 1981, 822 (80%) of the Manukau City sites were recorded with particularly significant numbers being added to the NZAA Site Record File in 1975 and 1979 (see Figure 13). The broad direction for this work came from Janet Davidson's report on the Archaeology of the Auckland Region (Jan 1975:10-11) which was produced by the Planning Division of the Auckland Regional Authority. Within this report Davidson observed:

"Site recording has been sporadic and inadequate in most of the (Manukau) City...A number of pa sites have now been recorded along the northeastern coast as far as Kawakawa Bay. There are, however, some notable omissions, and much detailed work remains to be done in all areas. The southeastern coast, from Kawakawa Bay to the boundary with Franklin County, is less well known - a point which emerged from the Kawakawa-Miranda resource area survey. It is almost certain that sites also exist away from the coast in the eastern part of the City, particularly in the river valleys, but these are entirely unknown...The Manukau shoreline, too is poorly recorded, particularly the southern part. The Pukaki Creek surveyed by Mrs Agnes Sullivan revealed a large number of minor sites which

surrounded the single previously recorded pa in the area. Further south, for example on the northern shore of the Pahurehure Inlet, it is quite likely that one or more unrecorded pa sites exist. The areas most in need of further recording are the east coast, and the southern part of the Manukau shoreline, although records should also be extended to inland areas.¹⁸

Following Davidson's recommendations the NZHPT promoted and funded systematic site surveys in priority coastal areas where there were the greatest threats from increasing use and development. The broader mandate for this work came from the Historic Places Amendment Act 1975 (Daniels 1979; also refer to McFadgen and Daniels Dec 1979).

Throughout the mid to late 1970s, site survey was further developed through the efforts of the NZAA Auckland Region File Keepers Aileen Fox (Sep 1976) and Susan Bulmer. Aileen Fox (1974) recorded Pawhetau Point Pa (S11/75 [N42/59]) at Kawakawa Bay Clevedon. Other broad survey focused on the coastal areas located from the Wairoa River at Clevedon to Kawakawa Bay and Tapapakanga on the Hauraki Gulf and the Orere River Valley (see reports by Donovan 1975, 1976 and 1977, and Phillips and Millynn 1975). Additional work was undertaken on the eastern shoreline of the Manukau Harbour by Agnes Sullivan at Crater Hill and along the Pukaki and Waokauri Creeks (Sullivan Dec 1972, 1974 and Feb 1975; also see Copsey 1974 and Nepe 1974). During this time, Agnes Sullivan produced the first detailed plans of some of the stonefield sites using aerial photographs as a base (see Lawlor 1981).

Significant numbers of sites were recorded through 1979 and 1978 with supportive funding for some work coming from the Government's Student Community Service Project (SCSP) scheme (refer to Macdonald and Bulmer 1981:1 and Rickard *et al* 1983:5). Survey during this period focused on the following areas: Ambury Park (Glenn White, Janet Grant, Chris Slane, J. Clarkson and B. Walsh), Otutataua (Jeremy Bartlett), Puketutu Island (Louise Furey), the coastlines of the Weymouth peninsula in Manurewa (Chris Chambers) and Wattle Downs on the Pahurehure Inlet (Foster and Simmons 1980). The sites located within the Auckland Regional Parks were also reviewed and reported (Bulmer 1981).

Throughout the 1980s archaeological site surveys tended to be more intensive and focused around specific development threats rather than being related to pure scientific research objectives. Developments included highway construction, sewage, gas and oil pipeline construction, industrial and urban building expansion and quarrying (see Green 1970, Davidson 1975, 1978 and 1982, and Bulmer 1979). The broad mandate for this work came from the Historic Places Act 1980. Through this legislation the NZHPT imposed site survey and investigation conditions on developers where proposed construction activities were known to impact, or thought likely to impact, on archaeological sites. Surveys were completed in the following areas (Figure 14): the Maui Gas pipeline route located between Pukekohe and Westfield (Tippett and Molloy 1980); Maungataketake or Ellett's Mountain (Bulmer 1981); the Auckland Regional Authority southwestern sewer interceptor pipeline located between Mangere and Manurewa (see Lawlor 1981); Waiouru Peninsula (Golda Kunin; refer to KRTA Apr 1988 and Phillips 1994), where a new motorway and industrial subdivision have been proposed; the Marsden Point (Whangarei) to Wiri (South Auckland) oil pipeline route (Cramond and Nevin 1981, and Taylor and

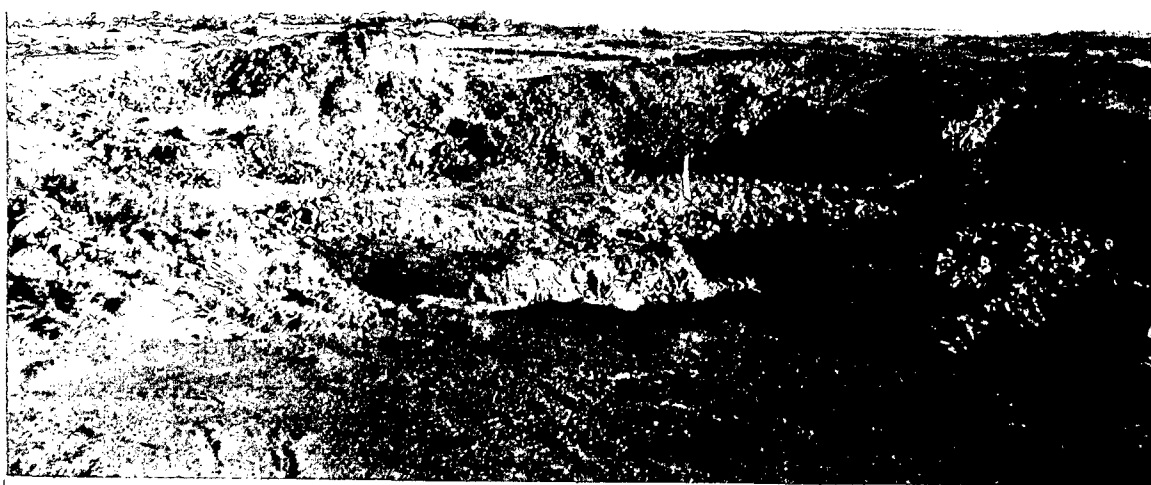


Plate 2.1

View taken from shell midden site R11/263 looking southeast down Pukaki Creek towards sites R11/229 and R11/1800 now identified as parts of the historic Maori village known as Papahinu. The construction of the Pukaki Creek Bridge and the eastern road access development to the Auckland International Airport resulted in the destruction of part of the village. However, these areas were investigated prior to earthworks commencing (see Figure 7 for location).

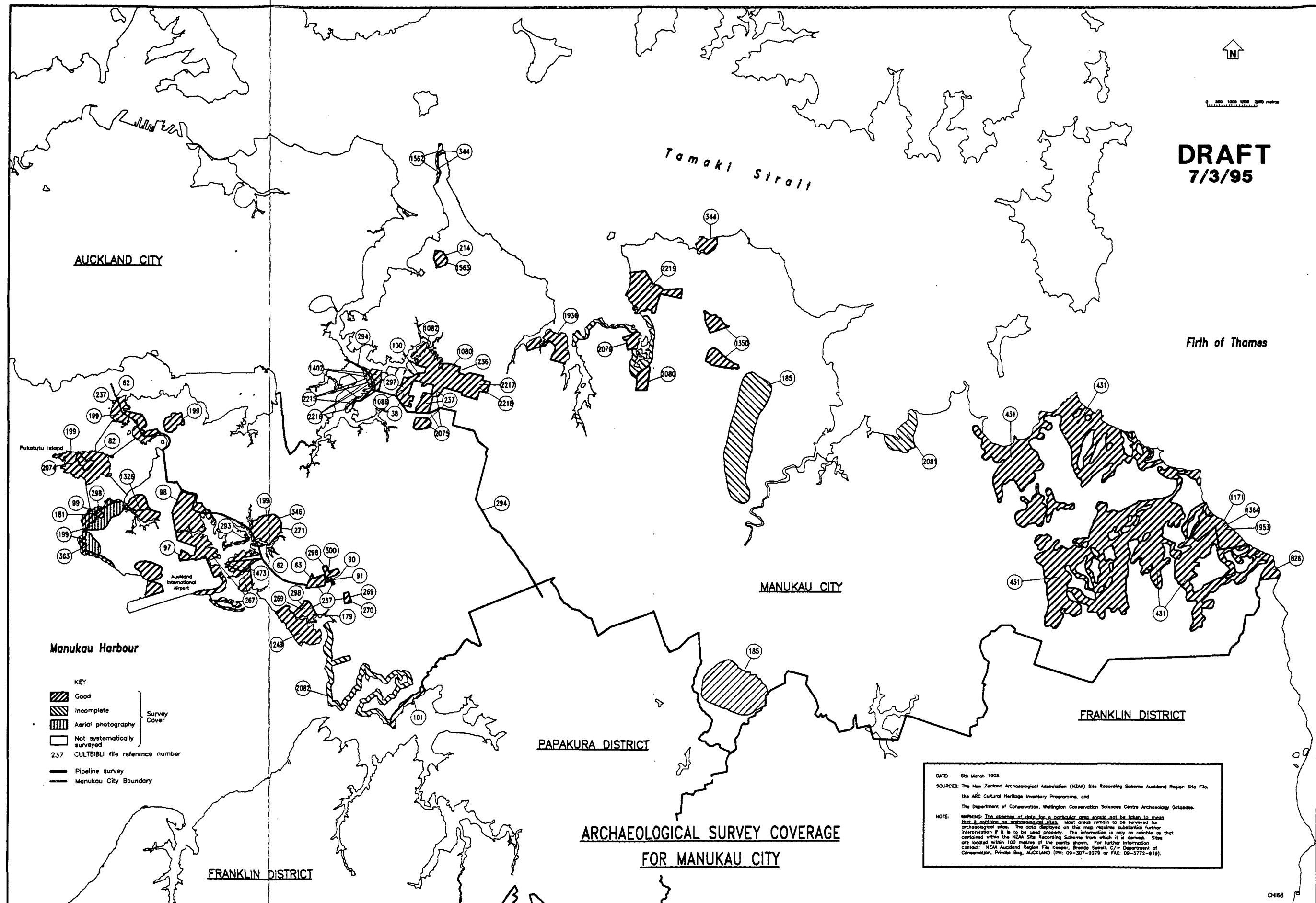
Plate 2.2

View west of the quarried remnant of Te Manurewa o Tamapahore Wiri Mountain (R11/32).

Plate 2.3

View southeast across the quarried remnant of Crater Hill (Self's Crater). The area presently contains over 50 archaeological sites and areas comprising structures and features associated with Maori gardens and occupation sites.

FIGURE 14



Grace 1982) which traversed through Ambury Park, Pukaki Creek and the Puhinui Peninsula; the stonefields at Wiri Oil Terminal site R11/1188 [N42/1225] (Cramond et al 1982); the Auckland International Airport and the southeastern motorway access across the Pukaki Creek (Foster and Johns 1983); the stonefields at the Wiri Railway site R11/1187 [N42/1224] (Veart et al 1984); the Wilkins and Davies quarry on the Otuataua stonefield remnant (Foster and Veart 1985; also refer to Veart 1986:216 and Lawlor May 1988); Wiri Mountain (Plate 2.2; refer to Foster Jan 1988); the Matanginui Green Mountain stonefields in East Tamaki on the Cryer's Road Block (Veart 1985 and Albert 1987); the Stevenson's Block on Harris Road East Tamaki (Rickard 1985); the East Tamaki volcanics (Douglas and Veart 1988); the Te Wharau Peninsula East Tamaki (Slocombe and Robinson 1986); the Shaw Block East Tamaki (Slocombe 1986); the Mangemangeroa Stream and Broomfield's Point area at Whitford (Brenda Sewell); and two proposed Auckland Regional Authority future bulk water supply dam sites located in the Taitaia and Rautawhiti Stream valleys near Clevedon (Lawlor Dec 1988 pp. 34 and 44 respectively). For the first time, surveys produced accurate and detailed tacheometric plans of stonefield occupation and gardening sites (eg. Cramond et al 1982).

Between 1990 and 1995 site survey has continued to be focused on development pressures with the mandate for this work coming from the Resource Management Act 1991 and the Historic Places Act 1993. Some of the site surveys were specifically generated by the ARC's Cultural Heritage Inventory (CHI) project and ARC Environment Division's earthwork consent assessment work. Survey was completed in the following areas and new sites recorded: on the banks of the Oruarangi Stream near Waitomokia at Ihumatao where the Holdsworth Group was planning to extend horticultural developments (Veart Nov 1991); on land adjacent to the Mangere oxidation ponds by Brenda Sewell; Puketutu Island where Winstone Aggregates Limited was expanding quarry operations (Lawlor Nov 1992); Thurlow's Farm on the Puhinui Peninsula, an area being purchased, reserved and developed by the MCC (Bulmer May 1992 and Lawlor Aug 1992); Te Wharau Block East Tamaki, where an industrial subdivision development threatened a quarry and wharf site (R11/1263 [N42/1198]) (Lawlor Oct 1993); Curries Farm at Whitford where a 100 hectare block was appraised as part of the process of extending the Whitford landfill (Young 1993); and Whitford residential subdivisions at Broomfield's Point (Lawlor Jul 1993) and on Porterfield Road (Phillips Apr 1994); the Kiripaka Maraetai polo resort and golf course development (Foster Nov 1992); subdivision developments on Ti Rakau Drive East Tamaki (Phillips 1994 and 1995); and the National Golf Course development at Beachlands Maraetai (Mosen and Felgate Jan 1995).

Over the last five years, significant numbers of previously recorded sites have been revisited and the NZAA site record form information updated. This work has focused on: Tapapakanga Regional Park was resurveyed upgrading Lorna Donovan's records (Sewell Jun 1990); Waiouru Peninsula industrial park subdivision was resurveyed upgrading Golda Kunin's records (Phillips 1994); parts of Puketutu Island were resurveyed (Veart Dec 1994) following recommendations resulting from unauthorised site destruction (see Lawlor Nov 1992); and Ambury Regional Park was resurveyed upgrading the original records produced by students working under the SCSP scheme (Sewell 1995).

Throughout the period of recording, site survey has been undertaken by interested individuals, students and professional and avocational archaeologists. Site recorders, in addition to those listed or referenced within this section, have included: Heather Albert, Ted Andrews, Sonny Ashby, David Bulmer, M. Campbell, Jan Coates, Karen Cofman-Nicoresti, Jos Debreceeny, G. Derry, P. Deveral, Peter Douglas, Sheridan Easdale, Steve Edson, Aileen Fox, Rhys Gardner, Roger Green, Sheila Hayes, A. J. Keane, Garry Law, Joan Maingay, M. Maule, Andrew MacCulloch, D. Miln, L. Morris, Mr Nicholls, Tony Packington-Hall, Karel Peters, Alan La Roche, P. Smith, Wynne Spring-Rice, Nancy Taylor and Tony Walton.

2.2.1 *Coverage*

Manukau City has an area of 55,082 hectares which is approximately 10% of the Auckland region. Although archaeological surveys have been undertaken of some of the most conspicuous places and areas, and cover an estimate 7,545 hectares (13.7%), the greater part of the Manukau City has yet to be surveyed (see Figure 14). There are substantial gaps across the landscape where sites are expected to be located but there are none presently recorded. For example (from west to east): along the Manukau Harbour shoreline from Mangere to Otahuhu and around the Tararata and Harania Creeks; along the upper reaches of the Tamaki River in the vicinity of Otara Creek in East Tamaki; along the shoreline of the Pakuranga Ward; the Turanga Creek Whitford; the Tamaki Strait coastline from Maraetai to Umupuia; and the Wairoa River, Clevedon, including the Ness Valley.

The last 20 years has seen the priority areas identified by Davidson (discussed above) surveyed with particular emphasis being placed on the Manukau Harbour shoreline, the volcanic stonefields and the eastern coastline of the City. This work has tended to support Davidson's contention that the absence of recorded sites in much of Manurewa, Wiri, Otara and Mangere in the less fertile areas reflects a relatively sparse settlement pattern, rather than total loss of unrecorded sites through development (Davidson Jan 1975:10). However, elsewhere within Manukau City, site survey has shown that there are exceptions to this 'rule'. The site survey completed of the Taitaia Stream Valley for the ARA future bulk water supply study (Lawlor Dec 1988:34 and 107) has shown that Maori archaeological sites are located up to 10 kilometres from the coast in areas of limited fertility. The site types present (eg. adze finds, a possible canoe anchor, canoe remnants and shell midden) suggest that particular areas were important for obtaining food and building resources.

2.2.2 *Quality of Information*

The quality and quantity of information for recorded sites is highly variable. Information ranges from brief notes about the site types, general location descriptions and facts about site destruction (eg. S11/7 [N4/125]), to comprehensive maps and summary statements about all the structures and features present (R11/1187 [N42/1224]). More often than not, site records completed before 1980 are brief, with only key information listed.

When summary information was being gathered from the NZAA Site Record File a number of problems were observed with some records. These included the following:

- (1) summary site type descriptions did not match the structures and features recorded (eg. R11/612 [N42/644] and R11/738 [N42/781] where shell middens and terraces were not identified, or alternatively,
- (2) site type descriptions were interpretive rather than descriptive (eg. R11/541 [N42/568] and R11/542 [N42/569]; sites were described as a "village", "kainga", "settlement", "occupation" or "living site" rather than middens or terraces);¹⁰
- (3) NZMS 260 metric map grid references were incorrect, placing sites in the sea or away from their true ground locations (e.g. R11/247 [N42/251] and R11/274 [N42/278] at the entrance to Pukaki Creek);
- (4) date of recording and the name of the recorder were not identified (e.g. R11/1259 [N46/408] and R11/1331 [N42/1171]);
- (5) no location sketch map was included with the site description or the location was not adequately identified; and
- (6) site descriptions were more often than not very brief (e.g. R11/544 [N42/571]).

Of the 1,035 sites within Manukau City, 756 (73 %) were recorded before 1985, and only 13 % have been revisited and additional NZAA Site Record File information provided since this time. It is also important to note that much of the site recording was completed by students involved with university studies or temporary employment programmes. Professional and consistent assessments of sites are still required for many sites.

Resurvey programmes over the last two years provide some guide as to the quality of NZAA site record information within Manukau City:

- (1) In 1990, Tapapakanga Regional Park was resurveyed by Brenda Sewell for the ARC Regional Parks Service (Sewell Jun 1990). The earlier records were found to have good descriptions and location information was reasonably accurate. Seventeen of the 20 sites previously recorded by Lorna Donovan were identified and site record information updated. Three sites could not be located, one was thought not to be an archaeological site, and 3 new sites were recorded. The new sites included an oven and occupation evidence, a clump of taro and a shell midden. The midden proved unique because it is the only one found in the Park to date. This resurvey work showed that vegetation cover on sites had changed since the original recording in 1979, with some features being masked from view.
- (2) An inspection of the banks of the Puhinui Creek (ie. part of the Thurlow's Farm property on the Puhinui Peninsula), showed that the earlier records completed by Agnes Sullivan had good descriptions and general location information (see Bulmer 1993 and Lawlor Aug 1992). Three more shell

middens were recorded where the stream and action of tidal currents had eroded the bank edges or cattle had scraped holes. As was expected, all but 2 of the NZMS 260 metric map grid references were inaccurate with most of the 27 previously recorded sites being located between 30 and 200 metres from their true ground positions.

- (3) Resurvey of the sites located within Ambury Farm Park for the ARC Regional Parks Service has shown that the student's employed on the original SCSP scheme were "*over enthusiastic in their interpretation of stone structures and features*" (Brenda Sewell pers. comm. and Jun 1995). Many natural lava outcrops were identified as cultural features (eg. stone alignments and stone heaps or mounds) and caves were identified as burial places when there was no evidence to support such interpretations.

This work has reinforced what is already known about the quality and quantity of NZAA site record information (see Huakina Development Trust Apr 1990:48-49 and Lawlor Jun 1994:13): resurvey locates additional sites; qualified and experienced archaeologists produce better site records; survey and site assessment work by students needs close supervision by appropriately trained staff; vegetation cover affects structure and feature visibility and subsequently the ability of archaeological surveyors to interpret site type and function; land erosion and sediment deposition destroy and cover over sites; and the 1:50,000 scale metric map grid references do not provide accurate site location coordinates. Regarding the latter, it should be noted that a significant number of sites have been found to be located well in excess of the 100 metres from their true ground positions (compare NOTE on Figure 14).

2.2.3 Future Directions

Future archaeological site survey must be directed to those areas where sites are expected to be present (ie. from completing historic research or settlement pattern studies), or are known to be present, and development is proposed. For example, research undertaken for the ARA future bulk water supply study identified a number of important historic sites located around Clevedon which remain to be inspected and recorded (see Lawlor Dec 1988:46 and Murdoch Nov 1988). In some areas, subdivision is already progressing in areas which have not been systematically surveyed or assessed for historic places. In these instances, where sites are expected to be present, surveys and assessments should be undertaken.

Information which can be used as a guide to judge whether or not a historic place is present includes: (with some caution) present archaeological site distributions (see Figure 2); the CHI, especially the maritime database which has recently been the focus of more detailed research (see Section 5); old maps and plans (see Section 6); and direct consultation with heritage agencies and specialists (eg. NZHPT, NZAA and the DOC), including Tangata Whenua who have an ancestral association with the land and water of Manukau City (see Section 8 Waahi Tapu).

Briefly, future survey should include coastal areas not yet systematically surveyed (see Section 2.2.1 *Coverage* discussion above), especially where there is proposed or likely future development. This should include areas that are likely to be impacted by the promotion of future regional growth and development in the East Tamaki area

and extension of the metropolitan limits (refer to ARC publications entitled Strategic Issues in the Auckland Region Aug 1990, The Auckland Regional Development Strategy Draft 1990:33 and 44, and The Auckland Regional Development Strategy Progress Report Jun 1991). Those areas that were surveyed 15 to 20 years ago, especially those area that have an incomplete coverage, should be re-examined (see Figure 14). This includes the Wairoa River, Kawakawa Bay and Orere areas, in the western part of Manukau City, and the Manukau Harbour shoreline on the Weymouth Peninsula. In the latter area, extensive coastal middens have been reported but not yet entered into the NZAA site files.

Finally, those archaeological sites which have been described as being 'doubtful' or 'reported' should be examined in the field to determine whether or not there are any physical remains present (see discussion below).

2.3 Archaeological Site Types

(See Monograph 10 of the NZAA by J. Daniels *et al.* 1979, entitled New Zealand Archaeology A Site Recording Handbook, for specific archaeological site type definitions.)

An archaeological site is broadly defined by the NZAA as any specific locality for which there is physical (as opposed to traditional) evidence for its occupation even though it may have been transient. A legal definition is provided by the Historic Places Act 1993 (s2):

"Archaeological site means any place in New Zealand that, either, was associated with human activity that occurred before 1900, or, is the site of the wreck of any vessel where that wreck occurred before 1900, and is or may be able through investigation by archaeological methods to provide evidence relating to the history of New Zealand."

It is important to note that most archaeological sites are like icebergs in that the vast majority of their substance lies invisible beneath the surface. The pits, terrace and ditch earthworks, and the other structures and features that are recorded by the archaeologist, are only a small part of the evidence. Scientific investigation is required to determine the true areal extent and content of sites.

There are 1,035 archaeological sites presently recorded within Manukau City (refer to Figure 2) and they combine to form 159 different site type combinations (Figure 15). They cover a broad range of sites types from Maori and European to historic and prehistoric. By far the greatest number of structures and features are Maori archaeological sites associated with shell middens (numbering 675), stonework (260), pits (217), terraces (205) and pa (72).

2.3.1 Historic Sites

Of the 1,035 sites, 53 sites, because of associated historic records, the site type, age or the modern artefact finds (eg. metal, glass and ceramic pieces), have been identified as dating to European times (Figure 16).¹¹ Historic site types include: early mission stations and associated Maori settlements located on the west

Mangere stonefields (sites R11/65, 230, 231, 545 and 547), along the banks of the Pukaki Creek (R11/45, 281, 542 and 544), and on the Tamaki River (R11/1669); European constabulary and military associated structures dating to the mid 1880s at Howick (R11/326), Wiri (R11/534), Clevedon (S11/533), Umupuia (S11/534) and Kawakawa Bay (S11/361); European house and homestead sites at Ihumatao (R11/546), Pukaki Creek (R11/1354), Howick (R11/1194) and Clevedon (S11/745); early farming related structures comprising buildings in East Tamaki (R11/1524), water tanks on Puketutu Island (R11/1828 and 1843), stonewalls at Ihumatao (R11/543, 1290, 1332 and 1340), Pakuranga (R11/1666) and East Tamaki (R11/838), structure foundations at Ambury (R11/723) and Weymouth (R11/1036), and pits, ditches and stoneworks at Clevedon (S11/744) and Orere (S11/554); timber logging tracks at Clevedon (S11/655 and 756) and Tapapakanga (S11/442); stone jetties and quarries in the Pakuranga Creek East Tamaki (see Plate 5) (R11/949, 1263, 1390 and 1515); dams and mill sites at Manurewa (R11/1633) and Clevedon (S11/395 and 748); a bridge remnant on the Tamaki River, Panmure (R11/1708); a goldmine at Clevedon (S11/638); a shipwreck at Umupuia (S11/763) and middens containing glass, china and metal pieces located in Ambury Park (R11/714 and 719), Mangere (R11/508), Pukaki Creek (R11/281), East Tamaki (R11/36), Howick (R11/319) and Tapapakanga Regional Park (S11/246).

Here it is important to note that there is a significant lack of European archaeological sites and structures recorded within Manukau City. This is possibly because the NZAA definition of archaeological site was previously specific to occupation by pre-European peoples of New Zealand (see Daniels 1979:1). As a result, survey prior to the mid 1980s focused on Maori sites and the physical remains of European occupation and resource use were often only listed in reports and not formally recorded within the NZAA recording system. In future, much more coordinated research is required on archaeological sites of European origin (see Section 5 on Maritime Heritage and Section 6 on Maps and Plans).

2.3.2 *Reported Sites*

The descriptions for archaeological sites also include references as to whether a place is reported or doubtful. "*Reported*" sites have not been recorded on the ground through field inspection, but identified from a distance, or alternatively, from graphic or written records or hearsay (see Plate 3). Fifty-nine such sites have been recorded within Manukau City (Figure 17). They include gardening systems or agricultural areas, burials, findspots (agricultural implements, an anchor stone, canoes, a mauri stone and moa bones), a homestead site, a kainga, midden, a gold mine, mission stations, pa, pits, redoubts, settlements, areas of stonework, terraces, villages, a well and working floor. Some of these sites were identified prior to the development of the NZAA Site Recording Scheme and they were entered into the records by filekeepers using information from general publications.¹²

Future work should include field checking of reported sites to determine whether or not there are any physical remains present (eg. R11/543 545, 546 and 1669 and S11/638). However, it is important to note that, in undertaking such work, only limited information may exist for some of these sites because finds have been

FIGURE 15 List of Archaeological Site Types, Structures and Features within Manukau City

NUMBER	STRUCTURES AND FEATURES
4	AGRICULTURAL
36	BANK
1	BORROW PIT(S)
1	BRIDGE
19	BURIAL(S)
3	CANOE
34	CAVES/CAVERN
1	CHAPEL SITE
18	CULTIVATION(S) - GARDEN(S)
1	DAM
59	DEPRESSION(S)
5	DRAIN(S)
49	DITCH(ES)
2	FARM BUILDINGS
22	FINDSPOT
1	FLAKING FLOOR
2	FLOUR MILL (DAM SITE)
1	FOUNDATION
1	GOLD MINE
9	GUM DIGGING(S)
8	HEARTH/FIRE PIT/FIRE PLACE
2	HOMESTEAD
35	HOUSE (CLAMP, DEPRESSION(S), PLATFORM(S), SITE, TERRACE(S))
3	JETTY
15	KAINGA/SETTLEMENT/HABITATION
13	KARAKA TREE(S)
695	MIDDEN(S)
3	MISSION STATION
72	PA
217	PIT(S)
57	PLATFORM(S)
6	POSTHOLE
4	PURIRI TREE(S)
5	QUARRY
6	ROCK SHELTER
1	SHIPWRECK
7	SOIL (BLACK, LINES, MODIFIED, OLD, RETENTION SYSTEMS)
260	STONEWORK/STONE(S) (ALIGNMENT, ANCHOR, HANGI-STONE, HEAP, KERBSTONE, MOUND, OVENSTONE, PILE, ROW, WALL)
1	TARO
205	TERRACE(S)
6	TRACK (HORSE, LOGGING, MAORI, SLED)
2	TRENCH(ES) (BOUNDARIES)
4	VILLAGE (REPORTED)
8	WAHI TAPU
1	WELL
2	WORKING FLOOR

FIGURE 16 List of Historic Archaeological Sites within Manukau City (by NZAA site number)

SITE NUMBER	SITE TYPE	LOCALITY
R11/36	PA (VOLCANIC HILL) (Otara or Smale's Mountain; quarried since 1959)	Smale's Road, East Tamaki, Otara
R11/45	PA (HEADLAND) (pottery located in midden)	Chapel Point, Pukaki Creek, Mangere
R11/65	SETTLEMENT (REPORTED) (in existence in 1868, now destroyed)	Oruarangi Stream, Pukeiti, Mangere
R11/230	CHAPEL SITE (Papahinu; burnt down in 1865)	Pukaki Creek, Mangere
R11/231	SETTLEMENT (Papahinu; "earth wall line" from ploughing)	Pukaki Creek, Mangere
R11/281	SHELL MIDDEN (containing chinaware)	Nganui Point, Pukaki Creek, Mangere
R11/319	TERRACES/ SHELL MIDDEN (containing glass)	Buckland's Beach, Howick
R11/326	REDOUBT (Military)	Stockade Hill, Howick
R11/508	SHELL MIDDEN (containing glass)	Esplanade Reserve, Mangere
R11/534	REDOUBT (Military; St John's)	Redoubt Road, Wiri
R11/542	VILLAGE (Papahinu; dismantled 1973)	Pukaki Creek, Mangere
R11/543	STONE WALL (constructed by Ernest Ellett; c. 1872)	Ihumatao, Mangere
R11/544	VILLAGE SITE (occupied in mid-19th century; Tonson 1966:99)	Pukaki Creek, Mangere
R11/545	MISSION STATION	Ihumatao, Mangere
R11/546	HOMESTEAD, (Ernest Ellett's original home; c. 1870)	Ihumatao, Mangere
R11/547	VILLAGE (linked to Mission Station)	Ihumatao, Mangere
R11/714	STONE MOUND/ SHELL MIDDEN (containing glass and pottery shards)	Ambury Regional Park, Mangere
R11/719	SHELL MIDDEN (containing a glass shard)	Ambury Regional Park, Mangere
R11/723	FOUNDATION/ SHELL MIDDEN (milking shed)	Ambury Regional Park, Mangere
R11/838	STONE WALL (European; built of basalt rock)	Neales Road, East Tamaki
R11/949	STONE JETTY	Pakuranga Creek, East Tamaki
R11/1036	PITS (a depressed area; ? farm shed)	Weymouth, Manurewa
R11/1194	WELL (farmhouse site, c. 1860)	Howick
R11/1263	FLAKING FLOOR/ STONE JETTY/ QUARRY	Pakuranga Creek, East Tamaki
R11/1290	STONE WALL (European)	Ihumatao, Mangere
R11/1332	STONE WALL (European)	Ihumatao, Mangere
R11/1340	STONE WALL (European)	Ihumatao, Mangere
R11/1354	HOUSE SITE (Claude Homestead; built c. 1863 and burnt down 1962)	Pukaki Creek, Mangere
R11/1390	STONE JETTY/ QUARRY	Pakuranga Creek, East Tamaki
R11/1515	QUARRY	Te Wharau, East Tamaki
R11/1524	FARM BUILDINGS (stables and milking shed)	Hampton Park, East Tamaki
R11/1633	FLOUR MILL SITE	Puhinui Stream, Manurewa
R11/1666	STONE WALL (European)	Cascades Reserve, Pakuranga
R11/1669	SETTLEMENT (last "traditional" Maori village)	Tamaki River, Pakuranga
R11/1708	SWIVEL BRIDGE (remnant of Panmure Bridge)	Tamaki River, East Tamaki
R11/1732	SHELL MIDDEN (containing scattered shards of pottery)	Oruarangi, Mangere
R11/1828	TANK (WATER) (cistern type)	Puketutu Island
R11/1843	TANK (WATER) (cistern type)	Puketutu Island
S11/246	SHELL MIDDEN (containing glass)	Tapapakanga Regional Park, Tapapakanga
S11/361	SHELL MIDDEN (linked with 1863 military camp)	Kawakawa Bay, Clevedon
S11/395	FLOUR MILL DAM	Kauri Bay, Clevedon - Kawakawa Bay Road
S11/423	KAURI LOGGING TRACK (passing through stonefield)	Tapapakanga Regional Park, Tapapakanga
S11/446	PITS/ DITCHES/ MOUNDS/ CULTIVATION (presumed to be European)	Orere River, Orere
S11/533	REDOUBT (REPORTED)	North Road, Clevedon
S11/534	REDOUBT (REPORTED)	Wairoa River, Umupuia
S11/554	STONE HEAPS/ STONE ROWS/ PITS (?European)	Orere River, Orere
S11/638	MINE (GOLD) (REPORTED)	Te Puru Stream, Clevedon
S11/744	DITCH (BOUNDARY MARKER)/ GARDEN (Munro garden site 1880s)	Munro Road, Clevedon
S11/745	HOUSE SITE (EUROPEAN)/ TERRACE/ TRACK (Munro Homestead 1880s)	Munro Road, Clevedon
S11/748	?DAM (Munro Family)	Taitaia Stream Tributary
S11/755	TRACK/ TERRACE (logging track)	Rautawhiti, Clevedon
S11/756	TERRACE/ TRACK (logging track)	Rautawhiti, Clevedon
S11/763	SHIPWRECK (sunken barge)	Whakakaiwhara Point, Umupuia



Plate 3.1

McNicol's Landing Reserve located on the east bank of the Wairoa River, Clevedon, near the historic McNicol Homestead. The cairn and plaques honour the pioneer settlers and commemorate the site where the first Europeans came ashore in 1852. (See Figure 30 CHIM 539).

Plate 3.2

"Franklynne", Massey Homestead, 351 Massey Road Mangere East. This historic house was the home of the Rt. Hon. William Massey, New Zealand Prime Minister from 1912 to 1925. The photograph shows the house, tennis court and some of the historic trees in the gardens.

Plate 3.3

The papa rock crossing known as "White Ford", located in the Turanga Creek, Whitford. (See Figure 30 CHIM 673).

removed, landowners have changed, or development has modified or destroyed the evidence. For example:

- (1) surveyors recorded statements from landowners about finds or features that were uncovered during farming activities which will now be very difficult to verify (R11/34, 60, 637, 832 and 1360, and S11/307, 682 and 747);
- (2) artefacts and finds have been removed to repositories for safekeeping, or alternatively, sites have been surface collected to the extent that there are no more artefacts left on the surface (R11/320 and R11/318 respectively);¹³
- (3) natural erosion and deposition processes have removed or covered over site evidence (R11/328);
- (4) attempts to locate previously recorded sites have met with little or no success (R11/321 and S11/114);
- (5) development has covered over or destroyed site evidence (R11/322, 346, 544, 552 to 558, 560, 586 to 588, 1642 and 1705, and S11/17, 533 and 534, and S12/264); and
- (6) sites have been purposefully covered over to protect them from further disturbance (S11/567).

Some sites, however, will be able to be located and revisited to determine whether there is any evidence present. Archaeological research and the development of new investigation techniques over the last 30 years has improved to the extent that it will now be possible to substantiate the presence and extent of some archaeological sites (eg. R11/341 and 1322). Alternatively, more intensive research into historic records, archives and old aerial photographs may provide additional evidence to assist in locating sites which have only been identified through secondary sources (R11/535, 541, 542, 547 and 1704). Sites previously recorded from aerial photographs should be located, inspected and additional information sheets entered into the NZAA Site Record File (R11/540, 655 and 816).

2.3.3 *Doubtful Sites*

"*Doubtful*" sites are the result of some uncertainty on the part of surveyors as to the type of archaeological structure or features being recorded.¹⁴ This uncertainty usually comes about because surface features are sometimes indistinct or amorphous and do not follow known or defined type patterns (ie. the site types as defined in the New Zealand Archaeology A Site Recording Handbook; see Daniels et al. 1979). Forty-four such sites have been recorded within Manukau City (Figure 18). They include the following site types: a doubtful burial area, a reported canoe, a dam, structure foundations, garden areas, terraces, pits, pa, middens and stonework.

A good number of these sites resulted from the site survey work of Agnes Sullivan in the lower reaches of the Pukaki Creek (Nov 1973) and at Crater Hill (Self's Crater), Papatoetoe (1974 and Feb 1975). She identified stonework structures, some of

FIGURE 17 List of Reported Archaeological Sites within Manukau City (by NZAA site number)

NZAA SITE NUMBER	SITE TYPE
R11/ 34	FINDSPOT (AGRICULTURAL IMPLEMENTS)
R11/ 44	SETTLEMENT
R11/ 46	PITS
R11/ 47	SETTLEMENT
R11/ 60	FINDSPOT (AGRICULTURAL IMPLEMENTS)
R11/ 65	SETTLEMENT
R11/ 71	SETTLEMENT
R11/ 318	WORKING FLOOR
R11/ 320	FINDSPOT (MAURI STONE)
R11/ 321	STONE (BOUNDARY)
R11/ 322	BURIAL
R11/ 328	FINDSPOT (CANOE HULL)
R11/ 341	FIELD SYSTEM
R11/ 346	PA (HEADLAND) (PITS AND TERRACES REPORTED)
R11/ 353	AGRICULTURAL
R11/ 535	MISSION STATION
R11/ 540	PA (CLIFFTOP)
R11/ 541	KAINGA
R11/ 542	VILLAGE
R11/ 543	STONE WALL
R11/ 544	VILLAGE
R11/ 545	MISSION STATION
R11/ 546	HOMESTEAD
R11/ 547	VILLAGE
R11/ 548	PA (HEADLAND)
R11/ 552	VILLAGE
R11/ 553	TERRACES/ PITS (REPORTED)
R11/ 554	TERRACES/ PITS (REPORTED)
R11/ 555	STONE ROWS/ MIDDEN (SHELL) (REPORTED)
R11/ 556	STONE ENCLOSURES
R11/ 557	BURIAL
R11/ 558	STONE ENCLOSURE
R11/ 559	MIDDEN (SHELL)
R11/ 560	STONE WALLS
R11/ 586	STONES (BOUNDARY)
R11/ 587	PITS
R11/ 588	BURIALS
R11/ 637	?BURIAL AREA
R11/ 655	?TERRACE
R11/ 816	PITS
R11/ 832	FINDSPOT (MOA BONES)
R11/ 1194	WELL
R11/ 1322	STONework/ MIDDEN (SHELL)/ TERRACES/ BURIAL CAVE (REPORTED)
R11/ 1360	TERRACE/ MIDDEN (SHELL) (REPORTED)
R11/ 1642	MIDDEN (SHELL)/ ?PA (REPORTED)
R11/ 1669	SETTLEMENT (HISTORIC)
R11/ 1704	MIDDEN (SHELL)/ PIT (REPORTED)
R11/ 1705	MIDDEN (SHELL)/ PA / PIT (REPORTED)
S11 17	MIDDEN (SHELL)
S11/ 114	PA (HEADLAND)/ BURIAL (REPORTED)
S11 307	TERRACE/ STONE HEAPS/ FINDSPOT (KO) (REPORTED)
S11 533	REDOUBT
S11 534	REDOUBT
S11 567	?CANOE
S11 638	MINE (GOLD)
S11 682	MIDDEN (SHELL)
S11 742	FINDSPOT (ANCHOR STONE)
S11 747	FINDSPOT (CANOE REMAINS)
S12 264	PITS

which were partly covered by long grass, and reasoned that the associated terraces, pits and cleared areas around the stones, were the likely location of occupation or living areas and gardens. Subsequently, this interpretation has been supported through excavations undertaken on 4 sites located on the northeastern rim of the Crater where the Papatoetoe by-pass cuts through the northeast section of the Crater (Plate 2.3; see Foster *et al.* 1985; sites R11/653 [N42/686], 695 [N42/662], 697 [N42/664] and 698 [N42/665]). It is therefore likely that the other doubtful gardens recorded here are definite archaeological sites. However, further subsurface excavations or test pitting would be required to substantiate this.

Future survey work should include the field checking of doubtful sites to determine whether or not they are associated with cultural activities. Recent excavations of one midden and doubtful house site suggest that a precautionary approach to their examination and interpretation is required. Site R11/229 [N42/233], located on the southern banks of the Pukaki Creek, was originally recorded by Agnes Sullivan as 3 patches of shell midden and a possible structure or house site located on an adjacent slumped terrace (refer to Sullivan Nov 1973:53; also see Foster and Johns 1983). Subsequently, this site was investigated by Department of Conservation archaeologists, as a result of the southeastern motorway access development to the International Airport, and was discovered to cover hundreds of square metres (Plate 2.1; refer to Foster and Sewell 1995). The remains of many houses, some of which are historic in age, were uncovered where a single possible house site had been identified previously. These investigations show that doubtful site assessments should be completed by suitably qualified and experienced archaeologists. They also show that simple shell middens may be indicative of much larger settlements which lie invisible beneath grassed surfaces.

2.4 Maori Archaeological Sites

Of the 1,035 sites recorded within Manukau City, 990 (96%) are of Maori origin. They cover a broad range of types, and structure and feature combinations, and are distributed across the City, with particular concentrations being found along the coast and within river estuaries. The main site types are shell middens, terraces, pits and pa. (Reference to Figures 2 and 15 will be helpful in the following discussion.)

2.4.1 *Shell Middens*

Of the 1,035 sites recorded within Manukau City, 695 (67%) have shell middens (rubbish heaps) associated with them (Figure 19). They are by far the most numerous Maori archaeological site type and contain the remains of common shellfish species which can now be found on adjacent estuary mudflats, rocky shoreline or coastal sand beaches. Depending on the proximity of these types of environments to the middens, they contain a range of shellfish species including cockles, which usually predominated, and smaller numbers of pipi, tuatua, scallops, oysters, mudsnails, cats eyes, whelks and mussels. Sometimes they also contain stone flakes, hangi or oven stones, and the bones of fish, bird and kuri (dog).

Middens are usually an indicator that some form of Maori occupation or settlement has occurred in the immediate vicinity. The present site distribution (Figure 2)

FIGURE 18

List of Doubtful Archaeological Sites within Manukau City (by NZAA site number)

NZAA SITE NUMBER	SITE TYPE	LOCALITY
R11/ 232	MIDDENS (SHELL)/ ?PITS	Pukaki Creek, Mangere
R11/ 236	?HOUSE PLATFORM/ MIDDEN (SHELL)	Pukaki Creek, Mangere
R11/ 240	?PITS	Pukaki Creek, Mangere
R11/ 271	PIT/?MIDDEN (SHELL)	Otaimako Creek, Pukaki
R11/ 323	MIDDEN (SHELL)/ ?TERRACES	Eastern Beach, Howick
R11/ 331	TERRACES/ ?PITS	Maungamaungaroa, East Tamaki
R11/ 342	MIDDEN (SHELL)/ ?TERRACES	Waikopua Estuary, Beachlands
R11/ 574	?TERRACES	Kohuora, Papatoetoe
R11/ 577	MIDDEN (SHELL)/ ?TERRACES	Papahinu, Pukaki, Papatoetoe
R11/ 584	MIDDEN (SHELL)/ ?TERRACE	Papahinu, Pukaki, Papatoetoe
R11/ 637	?BURIAL AREA (REPORTED)	Crater Hill, Papatoetoe
R11/ 654	?PITS/ TERRACES/ MIDDENS (SHELL)	Crater Hill, Papatoetoe
R11/ 655	?TERRACE (REPORTED)	Crater Hill, Papatoetoe
R11/ 656	?HABITATION/ OCCUPATION	Crater Hill, Papatoetoe
R11/ 658	?GARDEN AREA	Crater Hill, Papatoetoe
R11/ 659	?GARDEN AREA	Crater Hill, Papatoetoe
R11/ 660	?GARDEN AREA	Crater Hill, Papatoetoe
R11/ 661	?GARDEN AREA	Crater Hill, Papatoetoe
R11/ 663	?GARDEN AREA	Crater Hill, Papatoetoe
R11/ 666	?GARDEN AREA	Crater Hill, Papatoetoe
R11/ 667	?GARDEN AREA	Crater Hill, Papatoetoe
R11/ 668	?GARDEN AREA	Crater Hill, Papatoetoe
R11/ 709	MIDDEN (SHELL)/ STONE MOUNDS/ ?PIT	Ambury Park, Mangere
R11/ 723	?FOUNDATION/ MIDDEN (SHELL)	Ambury Park, Mangere
R11/ 998	MIDDEN (SHELL)/ ?PITS/ STONE HEARTH	Puhinui Stream, Mangere
R11/ 1041	?TERRACES	Pit Avenue, Manurewa
R11/ 1336	TERRACES/ ?STONE PLATFORM/ KARAKA/ MIDDEN (SHELL)	Otuataua, Mangere
R11/ 1363	?PITS	Pukaki Creek, Mangere
R11/ 1642	MIDDEN (SHELL)/ ?PA (REPORTED)	Somerville Road, Howick
R11/ 1716	?STONE MOUNDS	Puketutu Island, Mangere
R11/ 1727	MIDDEN (SHELL)/ STONE ALIGNMENT/ ?TERRACES	Otuataua, Mangere
R11/1792	?PIT	Mangere
R11/1793	?PIT	Mangere
R12/ 288	TERRACE/ PIT/ ?DEPRESSIONS	Wattle Downs, Weymouth
S11/ 111	TERRACES/ ?PA (RIDGE)/ PITS/ MIDDEN (SHELL)	Wairoa Estuary, Clevedon
S11/ 118	PITS/ ?HOUSES	Orere River
S11/ 279	?TERRACES	Tapapakanga Regional Park
S11/ 553	TERRACES/ ?PITS	Kawakawa Bay
S11/ 567	?CANOE (REPORTED)	Kawakawa Bay
S11/ 744	DITCH (?GARDEN BOUNDARY)/ GARDEN	Taitaia Stream, Clevedon
S11/ 748	?DAM	Taitaia Stream, Clevedon
S11/ 753	?TERRACES	Wairoa River, Clevedon
S12/ 266	?PIT	Monument Road, Clevedon
S12/ 267	?TERRACES	Taitaia Valley, Clevedon

?BURIAL CAVE/ MIDDEN
?FOUNDATION/ MIDDEN
?HOUSE PLATFORM/ MIDDEN
?PITS/ TERRACES/ MIDDENS
BURIAL CAVES (REPORTED)
BURIAL VALLEY/ WAHI TAPU
BURIAL/ MIDDEN
BURIAL/ MIDDENS
BURIALS (REPORTED)
CAVE (REPORTED)
CAVE/ MIDDEN
CAVES/ MIDDENS
DEPRESSION/ MIDDEN
DEPRESSIONS/ MIDDEN
DITCH/ MIDDEN
ENCLOSURE/ TERRACES (STONE LINED)/ STONE
FARM BUILDINGS/ OCCUPATION SITE
FINDSPOT (ARTIFACTS)/ BURIALS
FINDSPOT (CHISELS)
HOUSE SITE/ MIDDEN
LAVA CAVE/ MIDDEN
LIVING/ MIDDEN
LOOKOUT/ SETTLEMENT
MIDDEN
MIDDEN (EUROPEAN)
MIDDEN (HISTORIC)
MIDDEN (REPORTED)
MIDDEN / (?) ROCK SHELTER
MIDDEN / ?PA (REPORTED)
MIDDEN / ?PITS/ STONE HEARTH
MIDDEN / ?TERRACE
MIDDEN / BANK (EARTH)
MIDDEN / CAVE/ MOUND
MIDDEN / CAVERN
MIDDEN / DEPRESSIONS/ STONE ROWS
MIDDEN / FINDSPOT (ADZE)
MIDDEN / FINDSPOT (ADZES)
MIDDEN / FINDSPOT (OBSIDIAN FLAKES)
MIDDEN / HANGI STONES
MIDDEN / HOLE
MIDDEN / LAVA CAVE
MIDDEN / OVENS
MIDDEN / PA (REPORTED)/ PIT
MIDDEN / PIT
MIDDEN / PIT (REPORTED)
MIDDEN / PITS
MIDDEN / PITS/ ROCK SHELTER
MIDDEN / PLATFORM
MIDDEN / PLATFORMS
MIDDEN / POST HOLE
MIDDEN / PURIRI TREE/ TERRACE/
MIDDEN / STONE ALIGNMENT/ ?TERRACES
MIDDEN / STONE ALIGNMENTS

MIDDEN / STONE ENCLOSURE
MIDDEN / STONE MOUND
MIDDEN / STONE MOUNDS/ ?PIT
MIDDEN / STONE MOUNDS/ STONE WALL
MIDDEN / STONE PILE
MIDDEN / STONE PILE
MIDDEN / STONE WALL
MIDDEN / STONE WALL (HISTORIC)
MIDDEN / STONE WALL/ STONE PLATFORM
MIDDEN / TERRACE
MIDDEN / TERRACE/ STONE PILE
MIDDEN / TERRACES
MIDDENS
MIDDENS / ?HOUSE SITES/ TERRACES
MIDDENS / ?PITS
MIDDENS / BURIAL/ WAHI TAPU
MIDDENS / CAVE/ TRENCH/ STONE MOUNDS
MIDDENS / PITS
MIDDENS / STONE PILES/ PITS
MIDDENS / STONE ROW
MIDDENS / TERRACES
MOUND
OCCUPATION/ MIDDEN
OVEN
OVEN/ MIDDEN
OVENS
PA
PA (CLIFFTOP)
PA (HEADLAND)
PA (HEADLAND)/ BURIAL (REPORTED)
PA (HILL)
PA (RIDGE)
PA (RINGDITCH)
PA (VOLCANIC HILL)
PA (VOLCANIC HILL)/ GARDENS
PA (VOLCANIC HILL)/ STONEWORK
PIT/ ?MIDDEN
PIT/ CAVE/ MIDDEN
PIT/ MIDDEN
PIT/ TERRACE/ MIDDEN
PITS/ MIDDEN
PITS/ MIDDEN / TERRACE/ STONE WALLS
PITS/ TERRACES
PITS/ TERRACES/ MIDDEN
PITS/ TERRACES/ STONE WALL/ MIDDEN
PLATFORM/ MIDDEN
PLATFORM/ MIDDENS
PLATFORM/ STONE ROW/ MIDDEN
PLATFORMS/ MIDDENS
PLATFORMS/ MIDDENS / PITS/ COCKLE
PLATFORMS/ MIDDENS / TERRACES
ROCK SHELTER/ MIDDEN
SETTLEMENT

STONE ENCLOSURE
STONE ENCLOSURE/ MIDDEN
STONE HEAP/ MIDDEN
STONE HEAPS/ MIDDEN
STONE JETTY/ MIDDEN
STONE MOUND/ MIDDEN
STONE MOUND/ MIDDEN / CAVE
STONE MOUNDS/ MIDDEN
STONE MOUNDS/ MIDDEN / STONE WALL
STONE PILE/ MIDDEN
STONE PILE/ MIDDEN (?HISTORIC)
STONE PILES
STONE PILES/ MIDDEN / STONEWORK
STONE ROWS/ MIDDEN (REPORTED)
STONE ROWS/ STONE WALLS/ TERRACES/ MIDDEN
STONE WALL
STONE WALL (HISTORIC)/ MIDDEN
STONE WALL/ MIDDEN
STONE WALL/ STONE MOUNDS/ MIDDEN
STONE WALL/ STONE PILE/ MIDDEN
STONE WALLS/ MIDDEN
STONE WALLS/ MIDDEN / STONE PILES
STONE WALLS/ MIDDENS / CULTIVATIONS
STONE WALLS/ MIDDENS / STONE
STONE WALLS/ STONE PILES/ MIDDEN
STONE WALLS/ STONEWORK
STONE WALLS/ TERRACE/ MIDDEN / PITS
STONEWORK/ MIDDEN
STONEWORK/ MIDDEN / GARDEN AREA
STONEWORK/ MIDDEN / TERRACES/ BURIAL
TERRACE/ MIDDEN
TERRACE/ MIDDEN / PLATFORM
TERRACE/ MIDDEN / STONE ROW
TERRACE/ PITS/ MIDDEN
TERRACE/ STONE WALL/ MIDDEN
TERRACES
TERRACES/ ?PA (RIDGE)/ PITS/ MIDDEN
TERRACES/ ?STONE PLATFORM/ KARAKA/ MIDDEN
TERRACES/ MIDDEN
TERRACES/ MIDDEN (HISTORIC)
TERRACES/ MIDDEN / KARAKA/ STONE
TERRACES/ MIDDEN / PIT
TERRACES/ MIDDEN / STONE WALL
TERRACES/ MIDDEN / STONE WALL/ MOUND
TERRACES/ MIDDENS
TERRACES/ MIDDENS / STONE WALLS
TERRACES/ STONE PILES/ MIDDEN / PITS/ VILLAGE (REPORTED)

FIGURE 19 List of Middens and Associated Structures and Features

indicates that they are particularly concentrated (from west to east) on Puketutu Island, in Ambury Park at Mangere, on the stonefields at Ihumatao and along the banks of the Oruarangi Creek, around the shores of the Pukaki and Puhinui Creeks, along coastlines of the Weymouth Peninsula and Wattle Downs near the Pahurehure Inlet at Manurewa, along the banks of the Tamaki River on the Waiohuru Peninsula, along the eastern beaches of Howick, around the Mangemangeroa Stream at Whitford, at Beachlands Maraetai, and around Kauri Bay and Kawakawa Bay east of Clevedon.

Middens are often given little attention and are considered to be unimportant evidence or they are not associated with human activities at all; the shells are thought to indicate higher sea levels prior to human settlement. This is far from the truth. The shell heaps are the easily identified inorganic residue which often indicate more extensive areas of Maori occupation and settlement (see Section 2.3.3 *Doubtful Sites* discussion above). At the simplest level, a shell heap identifies where a group of people have processed shell fish for a meal. Larger shell heaps might represent year round occupation or seasonal activities associated with resource gathering and food preserving which occurred regularly at the one site over a number of years. The shells can, through detailed study, provide a good deal of information about the early inhabitants, the resources they exploited, their lifestyle and the environment in which they lived (see Sullivan Nov 1973:69, Lawlor *et al.* 1981 and Fredericksen and Visser 1989:93).

Shells were also used as a construction material by Maori and European alike. They have been recorded in archaeological excavations as being used to form floors and paths, and they were also added to garden soils and incorporated in to stone structures (pers. comm. Susan Bulmer).

Middens are susceptible to coastal erosion and fossicking, and recent inspections have indicated that many of the coastal sites within Manukau City have suffered damage and modification since they were first recorded. In the future, with the support of Tangata Whenua, it will be important to study the middens to recover valuable information that will otherwise be lost. The fact that the middens are indicative of much more extensive settlements, which were just as important as the larger defended pa, has often been overlooked. (See Section 3 Archaeological Investigation discussions below for more information about completed shell midden investigations).

2.4.2 Terraces

Terraces are artificially levelled areas which rise by way of a scarp to another feature (Daniels 1979:29). They are often associated with shell middens or pits and have been proven through excavation to be the location of house sites, semi-subterranean storage structures and cooking shelters (see Lawlor 1981, Taylor 1983, Foster and Sewell 1995). Terraces also occur on pa and within stonefields; for example, within Te Pane a Mataaho on Mangere Mountain (R11/36) there are over 130 terraces.

Within Manukau City terrace earthworks have been recorded on 154 sites (15%) and they are also present on another 64 sites (eg. on pa and within stonefields). As

individual earthworks associated with pits or middens, they are especially concentrated in the Orere River valley, on the stonefields at Mangere and Ihumatao and around the coastline of the Manukau Harbour and the Tamaki River (see Pukaki Creek and the Waiouru Peninsula). At Orere, on the Firth of Thames, the sites range from single terraces to complexes of terraces (compare sites S11/296 and S11/313). They are of variable size ranging from small occupation areas (4 x 2m and 6 x 3m), capable of containing a single house and pit, to large areas (20 x 8m and 54 x 4m) with multiple dwellings and storage structures evidenced by earthwork depressions and hearths (see S11/327). Some surveyors have speculated that some of these larger terraces on the coastline are probably natural features, most likely dating to the early Pleistocene period, which have been modified and lived on over the last 1000 years (R11/1439). (See Section 3 Archaeological Investigation discussions below for more information about completed terrace investigations).

2.4.3 *Pits, Depressions and House Sites*

Pits occur in a variety of forms with the most common type being the playing card-shape which sometimes has a raised rim around the edge (ie. a 2 to 1 ratio of length to width). Their depth ranges from being very shallow (eg. 20 cm) to over 1m and in many instances they have been substantially modified by historic farm pasture management practices (S11/313). It is generally accepted that most pits were used by Maori for the storage of kumara, however, kaumatua have recently highlighted the fact that some may also have been used as semi-subterranean houses (pers. comm. to Ian Lawlor).

In Manukau City there are 167 sites (16%) that include a single pit or complexes of pits and they are also found within another 60 sites (eg. pa). They are particularly concentrated in the Orere River Valley on the Firth of Thames, where they are associated with terraces, and at Weymouth and Wattle Downs in Manurewa. Pits are noticeably absent from the stonefields, however they have been recorded on the volcanic cone pa which were the main focus of occupation in these areas. For example, see photographs of Mangere Mountain (Jamieson Dec 1992:105) and McLaughlin's Mountain, prior to its destruction (Lawlor 1981:8), and also note the pits recorded on Oyster Point by Agnes Sullivan (*ibid*: 5, Figure 2).

Depression earthworks are shallow, often irregularly shaped and are not easily identified as pits which have a more regular form. Sixty-five sites (6%) within Manukau City are associated with depression features. Some of these also include terraces and pits and are most likely the remains of kumara storage pits which have been modified by historic farming operations.

House sites have been recorded on 37 sites (4%) in Manukau City. However, many of these have been identified through indirect evidence (eg. rectangular platforms on terraces, possible hearth stones and flat protected well drained positions) and excavation is required to substantiate the interpretation of these earthworks and finds. Through the early 1960s a number of house sites and stonework foundations, including rectangular and circular forms, were recorded on some South Auckland volcanic fields (Taylor 1963 and 1968). In more recent years these early reports have been confirmed by systematic surveys related to development pressures (see

Cramond *et al* 1982 and Foster and Veart 1985). Subsequent excavations have uncovered houses where surveyors had expected them to be present (see Veart 1986:100-107, Bulmer 1987:141-148 and Foster and Sewell 1995). (See site excavation discussions below for more information about house investigations).

2.4.4 Pa

Pa are defined archaeologically as "*a site showing defensive works such as ditches, banks and scarps*" (Daniels *et al* 1979:24) and should not be confused with undefended villages or settlements which are also sometimes referred to in general literature as 'Maori pa'. Seventy-two pa sites have been recorded within Manukau City and they include a range of types which are primarily related to their topographic position (Figure 20). Over one-third of pa are located on coastal headlands (see Figure 2), however, they are also located on ridges (20%), volcanic cones (17%), clifftops and hill-tops. In addition, there are reported pa, doubtful pa and ringditch pa which have an encircling defensive ditch and bank. The former two categories have often been identified from historic records or hearsay and there are no visible defensive earthworks to make a positive identification.

Pa within Manukau City have been the focus of recording and research for many years. Boscawen (1899; also see Simmons 1987) photographed a number of the volcanic cones in the late 19th century and in some instances these are the only records we now have of the pa because of the destruction caused by quarrying (discussed below). In the 1930s Matanginui Green Mountain (R11/24) and Puketutu Island pa (R11/27) were studied and reported by Vic Fisher (Apr 1934) and Geoff Fairfield (1938) respectively. During the 1950s the first steps towards recognising the importance of the volcanic cone pa and the associated geological and amenity values were promoted and steps were recommended to protect some pa from further quarrying (Golson and Fowlds 1957; also see Stevenson 1952). Through the 1960s many of the sites were first systematically recorded by Bob Brown, and Alan Taylor carried out a number of surveys and reported on the Manukau volcanic cone pa and a ringditch or 'gunfighters' pa at Pukaki (Jun 1961, Mar 1962, Jun 1964 and 1969; also see Golson Jun 1961). More intensive research was undertaken within the 1970s with particular attention being given to Te Pane a Mataaho Mangere Mountain (R11/26) (Cooney n.d., Doherty and McManus n.d. and Whaanga n.d.), Pawhetau Pa in Kawakawa Bay, Clevedon (Fox Dec 1974) and Te Manurewa O Tamapahore Wiri Mountain (Sullivan 1975). In the 1980s the excavations of Oue Pa at Clevedon were written up (Harsant Dec 1981), pa in the Mangemangeroa Stream catchment were recorded and reported (La Roche 1987), some recorded pa were described in detail and recommended for scheduling in the proposed Manukau City District Scheme (Foster *et al* Aug 1988), and further research was undertaken into the archaeological and traditional histories associated with Matukurua, the Wiri and McLaughlin's Mountains and the associated stonefields (Sullivan 1989). More recently, Chapel Point Pa, located on the southern shores of Pukaki Creek, was intensively surveyed (Packington-Hall 1990) and further site survey has been undertaken of Puketutu Island Pa (Veart Dec 1994). Throughout the last 30 years the Pa of Manukau City have been referenced in a number of general publications (Fox 1977:1-3, Davidson 1982:30, Bulmer 1987 and Hayward 1983).

FIGURE 20 List of Pa Site Types within Manukau City

NUMBER	PA TYPE
5	PA
1	PA (CLIFFTOP)
1	PA (CLIFFTOP) (REPORTED)
27	PA (HEADLAND)
1	PA (HEADLAND) (REPORTED)
5	PA (HILL)
1	PA (REPORTED)
15	PA (RIDGE)
1	?PA (RIDGE) (REPORTED)
2	PA (RINGDITCH)
1	? PA (REPORTED)
12	PA (VOLCANIC HILL)
72	TOTAL

The state or condition of many of the pa is unknown, however, since first being recorded, a number of pa have been systematically destroyed or severely modified by quarrying (Plate 2.2). These include volcanic hill pa, namely Matanginui Green Mountain (R11/24), Waitomokia (R11/28), Pukeiti (R11/29), Otuataua (R11/30), Te Manurewa O Tamapahore Wiri Mountain (R11/32), Te Puke O Tara Smale's Mountain (R11/36), Matukutureia McLaughlin's Mountain (R11/25), Maungataketake Ellett's Mountain (R11/31) and O Huiarangi Pigeon Mountain (R11/38). Other pa have suffered from the effects of urban subdivision and include a headland pa at Eastern Beach Howick (R11/324), and Paparoa Pa at Howick (R11/325). Farming activities have also modified a headland pa at Whitford (R11/336) to such an extent that the original features no longer exist. Of the volcanic cones in the Mangere and East Tamaki area, Te Pane a Mataaho Mangere Mountain (R11/26) is the only one to escape relatively unscathed, apart from a small amount of quarrying on the eastern slopes, a farm track, a water tank near its summit, and several levelled playing fields (Plates 1.1 and 1.2). This site has recently been the focus of a proposal to establish an historic and educational reserve (see Kerr Dec 1992). The Department of Conservation, Manukau City Council and Waiohau are working together to establish a centre where the protection and preservation of the historical and cultural heritage will be promoted.

2.4.5 *Artefact Finds*

There has been insufficient time in this project to complete a comprehensive review of artefact finds within Manukau City. The Auckland Institute and Museum holds a number of artefacts from the area (per. comm. Kathy Prickett; also see Stevenson Oct 1939). A systematic review of these would provide a useful addition to this archaeological site record based study. In addition, private collections of both Maori and European artefacts are known to exist. An inventory of these finds should also be completed.

Artefacts have been recorded from 34 archaeological sites within Manukau City (Figure 21). These include artefacts from individual site finds (e.g. FINDSPOTS) and collections from sites that have been systematically, and not so systematically, excavated. Finds include adzes, wooden agricultural implements uncovered during wetland drainage works, an anchor stone, canoe remains, hammer stones, a mauri or sacred stone, moa bones, drill points and stone chisels.

Findspots are the places where artefacts have been found by a site recorder and then deposited in a museum or similar place. An exception to this is site R11/247, a deposit of kokowai or red ochre, which is a permanent part of the natural landscape. Of the 20 recorded findspots, half have been 'reported', and 6 have been located in association with other structures and features; for example S11/307, a TERRACE/STONEHEAPS/FINDSPOT (KO) (REPORTED) site. (The 'provenance' column of Figure 21 should be consulted for further references to artefact finds.)

FIGURE 21: List of Manukau City Archaeological Sites with Finds (by NZAA site number)

NZAA SITE No	SITE TYPE	LOCALITY	DESCRIPTION	PROVENANCE
R11/25	PA (VOLCANIC HILL)	Matukureia (McLaughlin's Mountain), Puhinui	adzes, stone flakes, hammer stones, ochre, kauri gum nodules	excavation (Lawlor 1981:179)
R11/28	PA (VOLCANIC HILL)	Waitomokia (Mount Gabriel), Mangere	adzes	site survey (Taylor 1961)
R11/31	PA (VOLCANIC HILL)	Maungataketake (Ellett's Mountain), Mangere	sinkers, hammer stones, obsidian and adzes	excavation (McKinlay 1974)
R11/32	PA (VOLCANIC HILL)	Te Manurewa O Tamapahore (Wiri Mountain), Wiri	adze, obsidian and adze flakes, hammer stone	excavation (Sullivan 1975:84-86)
R11/34	FINDSPOT (AGRICULTURAL IMPLEMENTS) (REPORTED)	Papatoetoe	agricultural implements	swamp now drained
R11/45	PA (HEADLAND)	Papahinu, Chapel Point, Manurewa	obsidian flakes	
R11/60	FINDSPOT (AGRICULTURAL IMPLEMENTS) (REPORTED)	Papatoetoe	agricultural implements; burnt as firewood	swamp now drained
R11/229	MIDDENS (SHELL/HOUSE SITES/TERRACES/FINDSPOT (ARTEFACTS)/BURIALS)	Pukaki Creek, Manurewa	numerous	excavation (Foster and Sewell in prep.)
R11/247	FINDSPOT (RED OCHRE - KOKOWAI)	Waioia Island, Manukau Harbour, Mangere	natural exposure in cliff	1 to 60 cm thick deposit
R11/318	WORKING FLOOR (REPORTED)	Buckland's Beach, Pakuranga	stone flakes, roughout, drill points, stone sinkers, obsidian, lure	Fairfield collection (AIM)*
R11/320	FINDSPOT (STONE MAURI) (REPORTED)	Buckland's Beach, Pakuranga	polished stone	Fairfield Collection (AIM)
R11/328	FINDSPOT (CANOE HULL) (REPORTED)	Maungamaungaroa Stream, Howick	canoe remains	appeared between tides
R11/334	MIDDEN (SHELL)/TERRACES	Turanga Creek, Whitford	stone flakes and adze roughout	eroding from bank
R11/341	FIELD SYSTEM (REPORTED)/FINDSPOT (ADZE)	Turanga Creek, Whitford	hammer-dressed adze	found in creek
R11/342	MIDDEN (SHELL)?/TERRACES	Waikopua Estuary, Beachlands, Maraetai	broken quadrangular adze in midden	
R11/353	AGRICULTURAL (REPORTED)	Ihumatao, Mangere	abrader, hammerstone, obsidian and adze butt	interior of a circular pit
R11/507	MIDDEN (SHELL)/FINDSPOT (ADZE)	Ambury Park, Mangere	2 archaic Duff type 2A style adzes	held by AIM
R11/575	PA (RINGDITCH)	Oruarangi, Ihumatao, Mangere	18 adzes	reported
R11/602	MIDDEN (SHELL)	Waokauri Creek, Pukaki	adze pieces, stone flakes (obsidian, chert and quartz), worked bone (dog and bird), fishhook points, chisel and grinding stone	excavation (Taylor 1983)

R11/665	STONEWORK/MIDDEN (SHELL)/GARDEN AREA	Crater Hill Motorway Site, Papatoetoe	argillite chisel, stone flakes	excavation (Foster et al: 1985)
R11/698	MIDDEN (SHELL)	Ambury Park, Mangere	obsidian flake	in midden (AIM)
R11/702	MIDDEN (SHELL)	Ambury Park, Mangere	obsidian flake	in midden (AIM)
R11/736	MIDDEN (SHELL)/FINDSPOT (OBSIDIAN FLAKES)	Ambury Park, Mangere	obsidian flakes	excavation (Addis and Brassey 1983)
R11/832	FINDSPOT (MOA BONE) (REPORTED)	Farm Road, Clevedon	moa bone uncovered in 1912	
R11/1187	STONEWORK	Wiri Oil Terminal Site	stone flakes, obsidian	excavation (see Bulmer Mar 1994:54)
R11/1188	STONEWORK	Wiri Railway Quarry Site	stone flakes, obsidian flakes, adze flakes	excavation (see Bulmer Mar 1994:55 and Foster Mar 1995)
R11/1351	FINDSPOT (ADZE)	Pukaki, Papahinu, Manurewa	butt end of archaic adze type, poor quality argillite	held by AIM
R11/1355	MIDDEN (SHELL)/FINDSPOT (ADZE)	Pukaki Creek, Mangere		held by AIM
R11/1727	MIDDEN (SHELL)/STONE ALIGNMENT/?TERRACES	Otuataua, Mangere	adze found during bulldozing	
S11/53	PA (HEADLAND)	Oue, Umupuia, Clevedon	numerous artefacts	found during excavations (Harsant 1981)
S11/307	TERRACE/STONEHEAPS/FINDSPOT (KO) (REPORTED)	Orere River, Clevedon	2 Ko (digging sticks)	swamp at base of ridge
S11/314	FINDSPOT (ADZE)	Tawhitokino Beach, Clevedon	Duff type 2B style adze	unearthed during bulldozing
S11/368	FIRE PLACES	Orere River, Clevedon	stone flakes	in road cutting
S11/444	MIDDEN (SHELL)/FINDSPOT (OBSIDIAN FLAKES)	Kawakawa Bay, Clevedon	obsidian flakes and hammerstone	exposed during bulldozing
S11/552	MIDDEN (SHELL)/PURIRI TREE/TERRACE/FINDSPOT (CHISELS)	Kawakawa Bay, Clevedon	3 stone chisels	
S11/673	MIDDEN (SHELL)/FINDSPOT (ADZE)	Allan's residence, Kawakawa Bay, Clevedon	broken adze	
S11/736	MIDDEN (SHELL)/FINDSPOT (ADZE)	Whakakiwhara Point, Umupuia, Clevedon	blade of a broken polished Duff type 2B adze, greywacke	eroded from midden
S11/742	FINDSPOT (ANCHOR STONE) (REPORTED)	Taitaia Valley, Clevedon	anchor stone, originally with flax ropes	Gane property
S11/746	FINDSPOT (ADZE)	Taitaia Valley, Clevedon	Duff type 2B adze, blue-grey argillite	held by AIM
S11/747	FINDSPOT (CANOE) (REPORTED)	Taitaia Valley, Clevedon	remains of canoe reported in 1910	

2.4.6 Stonework

The volcanic areas and some alluvial river valleys of Manukau City are covered with the remains of hundreds of years of Maori occupation (Plate 1.3). The stonework which has resulted from this occupation mostly relates to the settlement of the cones as centres of strategic importance and intensive gardening. Radiating stonewall boundary systems, stone heaps, stone mounds, stone piles and stone enclosures are some of the major stone structures which are thought to be associated with gardening activities (ie. the cultivation of kumara and uwhi or yams). Various other structures include stone fishtraps, a walk-way, a stone-lined terrace and a track stone marker.

Currently, there are 191 sites which are associated with stonework (Figure 22).¹⁵ In about 40 of the records there is more than one type of stone feature present, and within a single site type there may be multiple structures occurring. For example, site S11/243, by the Tapapakanga Stream at Orere, contains 2 areas of stone heaps, one with about 20 stone heaps, and the second with 10 heaps. Similarly, S11/257 on the Waimangu Stream at Matingarahi (Matengarahi) contains 18 circular shaped heaps.

The most commonly occurring types of stone structures are stonewalls (30%), stone heaps (22%), stone piles (12%) and stone mounds (8%). All of these features are related to food production, and land division (see Macdonald and Bulmer 1981, Bulmer 1985, Veart 1986 and Sewell 1994).

Stone walls are the most common form of European stone structures in Manukau. For example, R11/1290 and R11/1332 at Ihumatao, R11/1340 at Otuataua, stone rows at Orere River, S11/554 and East Tamaki stone walls R11/838. Historic European quarries occurred at Te Wharau where scows docked at three stone jetties to load paving blocks for Auckland City roading and building.

Extensive land developments, quarrying, airport extensions, and ongoing industrial and housing subdivision have posed an enormous threat to the existing archaeological stonefields in Manukau. As a result two areas have been set aside to preserve these unique cultural landscapes (Bulmer 1984, Bulmer and Tubb 1988 and 1989) at Puhinui, Wiri, and Otuataua and Ihumatao, Mangere.

2.4.7 Human Bones and Burials

The NZAA Site Record File contains some burial information within a special 'silent file' which can only be accessed through the regional Filekeeper. However, many human bone finds and burials do not get reported to the NZAA and the following information only provides a preliminary summary. There are 24 archaeological sites which currently have human skeleton finds or burials associated with them (Figure 23). These have been recorded or reported during site survey, exposed during development, or alternatively, uncovered during investigations. In some instances Iwi have been formally involved with the finds and the archaeological sites have been designated wahi tapu.

FIGURE 22 **List of Stone Structure Types within Manukau City (by number and type)**

NUMBER	STONE STRUCTURES AND FEATURES
4	Stone Alignment
1	Stone Alignments
1	Stone (Boundary) (Reported)
1	Stones (Boundary) (Reported)
1	Stone Causeway
2	Stone Circle
7	Stone Enclosure
1	Stone Enclosure (Reported)
1	Stone Enclosures (Reported)
1	Findspot (Anchor Stone) (Reported)
1	Findspot (Mauri Stone) (Reported)
1	Stone Fish Traps
18	Stone Heap
28	Stone Heaps
1	Stone Hearth
3	Stone Jetty
1	Stone Marker (Track)
4	Stone Mound
2	Stone Mound (Basalt)
12	Stone Mounds
6	Stone Pile
17	Stone Piles
2	Stone Platform
1	Stone Platforms
9	Stone Row
8	Stone Rows
1	Stone Lined Terrace
1	Stone Walkway
34	Stone Wall
6	Stone Wall (European)
1	Stone Wall (Reported)
28	Stone Walls
1	Stone Walls (Reported)
9	Stone Work
236	TOTAL

(The following section has been withdrawn from publication following consultation with Tangata Whenua.)

When human bones or burials are found they are usually reported to the police to let them determine whether or not they are the remains of foul play (i.e. a murder victim). When inspection and analysis indicate they are related to Maori occupation, either the specialists from the University of Auckland Medical School or Department of Anthropology, or alternatively, the archaeologists from the Auckland Institute and Museum or the DOC, are called upon to record and recover the remains. Since the 1960's, when development circumstances have allowed, this scientific work has been done in cooperation with Tangata Whenua; the remains have been exhumed and the tapu associated with them lifted.

Overall, this informal arrangement has resulted in an inconsistent approach and there is no single list which identifies all the places where human remains have been found within Manukau City. The NZAA site information must therefore be considered incomplete and more detailed research into police, museum and university records is required to obtain a more comprehensive understanding.

The discovery of Maori skeletal remains is not an uncommon event, especially along the coastal beaches and sand dunes of the region. However, when they are found, they are not always treated with the appropriate respect, nor are opportunities provided to recover scientific information: sometimes the bones are lifted without consultation with Tangata Whenua, remains are kept and displayed as souvenirs or trophies, the police are not informed, and specialists are not given an opportunity to examine the bones to record the characteristics which enable the age, sex and health of individuals to be determined. More often than not, artefacts associated with burials are pocketed and not reported.

Some guidelines have been suggested to assist in the reporting and recovery of human remains (Lawlor Mar 1993):

**FIGURE 23 List of Human Skeleton Finds and Burial Places within Manukau City
(by NZAA Site File number)**

(This figure has been withdrawn from publication following consultation with Tangata Whenua)

- (1) when human bones are first discovered eroding out of the ground, cover them over and leave them alone - **do not dig them up**;
- (2) rebury the bones in a marked spot nearby if they are likely to be eroded or washed away or lost;
- (3) report the find to an adult (in the case of children finding them);
- (4) if there is some uncertainty about whether or not the bones are human, contact your local doctor, or veterinarian for that matter, because they may be able to assist with a correct identification; and
- (5) contact the police.

There may be some difficulties in finding the appropriate people to help in these situations. Besides contacting the local police, if the remains are known to be of Maori origin, the local Iwi (tribe) should be contacted. The DOC office, or alternatively, the NZHPT or ARC offices could also be contacted. Archaeologists within these organisations may be able to help determine whether the remains are of Maori origin. They will also know the appropriate procedures to follow and be able to provide direction for the appropriate contacts. Reporting human bone discoveries should always be handled in a sensitive manner. Publication of such finds is not always appropriate because many people do not respect the dead and notification can promote fossicking and destruction.

(See Section 8 Waahi Tapu for additional information on sacred sites and related guidelines, policies and Iwi planning documents.)

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3. ARCHAEOLOGICAL INVESTIGATIONS

3.1 Excavations

Archaeological site and area investigations have been undertaken within Manukau City primarily in response to development threats (ie. quarrying, roadworks, pipeline construction and urban and industrial expansion). The mandate for this work comes from sections 9 to 20 of the Historic Places Act 1993 (also refer to Historic Places Act 1980 s 46). These legislative provisions require developers to first obtain the authority of the NZHPT in Wellington before they destroy, damage or modify any archaeological site. More often than not, the Trust has imposed survey and investigation conditions on authorities so that valuable archaeological information has been retrieved and the loss of archaeological resources mitigated.

In total, 31 sites have been investigated within Manukau City (Figure 24). Parts of some sites have been re-excavated on a number of occasions, mainly in response to continuing destruction threats (eg. R11/25, R11/31 and R11/32). Three excavations were undertaken to answer specific 'scientific research' problems (ie. R11/25, R11/32 and S11/53), and the remainder were 'rescue' excavations undertaken to retrieve information that would otherwise have been lost through destruction by development.

Research excavations have been undertaken at Wiri (Te Manurewa O Tamapahore Wiri Mountain), Puhinui (Matukutureia McLaughlin's Mountain) and on the Wairoa River Estuary at Clevedon (Oue Pa). Rescue excavations were undertaken at Mangere (Ambury Park), Ihumatao (Maungataketake Ellett's Mountain), on the banks of the Waokauri and Pukaki Creeks, Crater Hill Papatoetoe, on the stonefields of East Tamaki, Buckland's Beach and Mangemangeroa Stream in Howick, on the Wairoa Estuary Clevedon, and at Tapapakanga, Orere. Site types investigated included shell middens, terraces, pits, pa, stonework, gardens, house sites and a historic village site. In the following sections the excavations are briefly reviewed chronologically, focussing on some of the key results. The investigation discussion is concluded with a review of the radiocarbon age estimates for occupation.

3.1.1 *Oue Pa (S11/53)*

Oue Pa site (S11/53 [N42/35]) is located on a headland approximately 2 kilometres northwest of the Wairoa River mouth, at Clevedon, and is surrounded on 3 sides by mudflats and low-lying swamp land. The pa was excavated over 4 field seasons from 1950 to 1953 by Vic Fisher, who was the ethnologist of Auckland Museum at this time, and students from the Ardmore Teachers College. A report on the excavations was reconstructed by Wendy Harsant (1981) from student projects written during the original investigations and some field-notes and photographs kept by Mr Fisher and Ardmore College staff.

The top and the base of the pa, as well as some shell midden and swamp areas were investigated. The evidence from the excavation showed that there were at least 2, possibly 3, periods of occupation. The base and top of the pa were occupied before European contact and historic records suggested that an extensive

FIGURE 24

List of Archaeological Excavations within Manukau City (by date)

DIRECTOR	DATE	SITE TYPE	LOCALITY	C14 DATE (See Figure 25)	SITE NO	CHI SE NO (See Appendix 2)
Vic Fisher	1950	PA (HEADLAND)	Oue, Wairoa River Estuary, Clevedon	X	S11/53	438
Jim McKinlay	1973-75	TERRACES/PITS	Maungataketake Ihumatao, Mangere	√	R11/31	203
Agnes Sullivan	1974 1975	PA (VOLCANIC HILL)/ TERRACE/ STONEWORK	Matukutureia and Te Manurewa O Tamapahore, Wiri	√	R11/25 R11/32	269, 270
Ian Lawlor	1981	STONEWORK	Matukutureia, Puhinui	√	R11/25	178, 179
Susan Bulmer	1982-83	STONEWORK	Wiri Oil Terminal, Manurewa	√	R11/1187	32, 34, 36
Keren Lillburn	1982	STONE ROW/STONE HEAP	Ambury Regional Park, Mangere	X	R11/1123 R11/1129	196 197
Jim McKinlay	1982	TERRACES/PITS	Maungataketake Ihumatao, Mangere	X	R11/31	See 820
Peter Addis Robert Brassey	1983	MIDDEN/ FISHING CAMP	Ambury Regional Park, Mangere	X	R11/736	2
Michael Taylor	1983	MIDDENS/TERRACE /PITS	Waokauri Creek, Papatoetoe	√	R11/602 and R11/609	292, 737
Russell Foster Brenda Sewell David Veart	1985	STONEWORK/ MIDDENS/ TERRACES/ PITS/ ?GARDENS	Crater Hill, Papatoetoe	X	R11/653, R11/654 R11/655 R11/662, R11/664 R11/665	102
Peter Douglas	1985-86	STONE MOUNDS/ STONE WALLS	Harris Road, East Tamaki	√	R11/1301 R11/1302	78
David Veart	1986	STONEWORK/ GARDENS/ HOUSE SITE	Wiri Railway Quarry, Manurewa	√	R11/1188	299
Heather Albert	1986	GARDENS/ MOUND	Allens Road, East Tamaki	X	R11/1497	1085
Adrienne Slocombe James Robinson	1986	PIT/ MODIFIED SOIL	Te Wharau, East Tamaki	X	R11/1388	1082
Clayton Fredericksen Ed Visser Jan Coates	1989	STONEWORK/ MIDDEN	Cryers Road, East Tamaki	√	R11/1519	115 990
Adrienne Slocombe David Veart	1989	TERRACES/ MIDDENS/ STONEWORK	Shaw Block, East Tamaki	X	R11/1525	260
Russell Foster	1989	MIDDENS	Maungamaungaroa, Howick	X	R11/1386	92
James Robinson	1990	MIDDENS/ STONEWORK/ TERRACES	Te Wharau, East Tamaki	X	R11/1516 R11/1517	1081
Amanda Young and Brenda Sewell	1992	PA (HILL)	Wairoa River Estuary, Clevedon	√	S11/108	1884
Brenda Sewell	1993	STONEWORK	Bucklands Beach	X	R11/1783	2279
David Veart	1994	MIDDENS	Matanginui (Green Mount), East Tamaki	√	R11/1590 R11/1591	298
Brenda Sewell	1994	STONE HEAPS	Tapapakanga Regional Park, Orere	X	S11/245	2064
Russell Foster Brenda Sewell	1994	PITS/ TERRACES/ MIDDEN/ HOUSE SITES	Papahinu, Mangere	X	R11/229 R11/1800	in prep.

settlement around the base of the pa was abandoned in 1863 with the onset of fighting between Maori and Europeans. The site was not radiocarbon dated.

Excavations at Oue Pa are of particular interest in the Auckland region because of the large number of artefacts and finds that were recovered (Figure 25). They included obsidian flakes and cores, adzes, pendants, fishhooks, drill points, nguru (a flute), bird spears, stone sinkers, patu, hammer stones, grinding stones, wooden artefacts (a top, fernroot beater and handle), tattooing chisels, toggles, needles, numerous bones (fish, dog, rat, human, bird), and historic artefacts (eg. bottle glass, iron nails, screws and clay pipe fragments). Similar finds from Oruarangi on the Hauraki Plains, near Thames, suggest that Oue Pa was most likely occupied intensively during the late 17th century (ie. the 'Classic Maori Phase' c1650-1800 A.D.).¹⁶

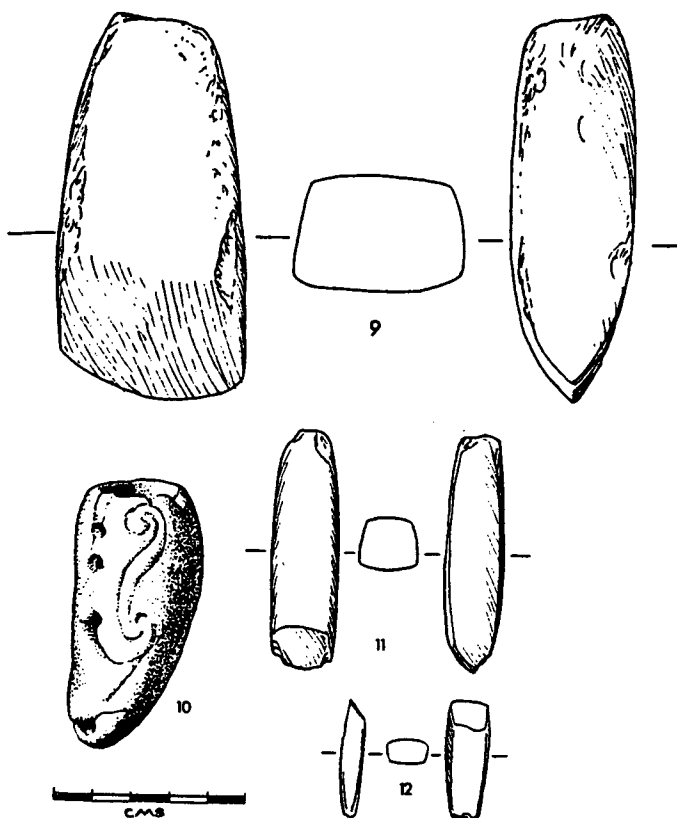
3.1.2 *Maungataketake Ellett's Mountain (R11/31)*

During the summer of 1973-74 an archaeological salvage programme was carried out on Maungataketake Pa site (R11/31 [N42/23]) Ellett's Mountain by Jim McKinlay (1974 and 1975) (Figure 6). The investigation was undertaken in response to extensive quarrying operations which were progressively destroying the scheduled site.¹⁷ A total area of 300 square metres was excavated on the small open crater rim and lower terraces. Stratigraphic evidence indicated that part of the rim had been modified in order to provide a levelled living area which contained surface evidence of many pits and platforms. Three terraces were investigated: the first consisted of a large heap of cockle shell; the second was faced with scoria boulders and contained 3 major rectangular pits (5m x 3m x 0.75 to 1.5m deep) which were interpreted as kumara storage structures; and the third terrace contained a narrow pit (10m x 4m). Stratigraphic evidence on the second terrace was unusual in that it indicated modification and construction of a retaining wall, the building of a platform, and the construction of a house site which was evidenced by a major fireplace. A range of faunal evidence was uncovered indicating exploitation of the resources of the Manukau Harbour but no significant portable artefacts were recovered.

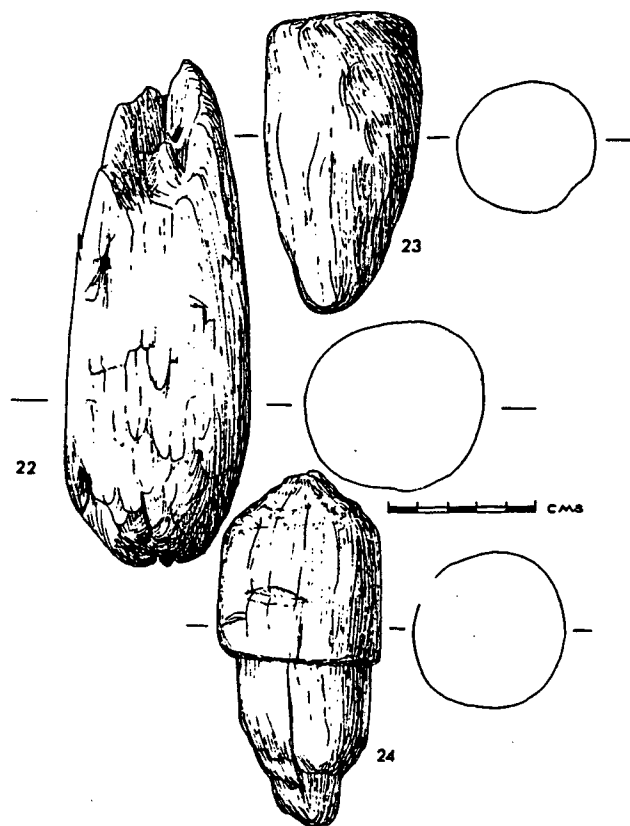
The pa was excavated again in 1982 by the NZHPT, under the directorship of Mr McKinlay, but there has been no report completed to date. Of the investigations on Maungataketake Bulmer noted that:

"Two major excavations have been carried out on the western and southern side of the site, in anticipation of quarrying. The results of this work have not yet been published, but a series of radiocarbon dates indicates this site was occupied as early as the period from A.D. 977 to 1179 (NZ-6476), and continued to be used in later centuries, possibly up until the 1800s..." (1994:45)

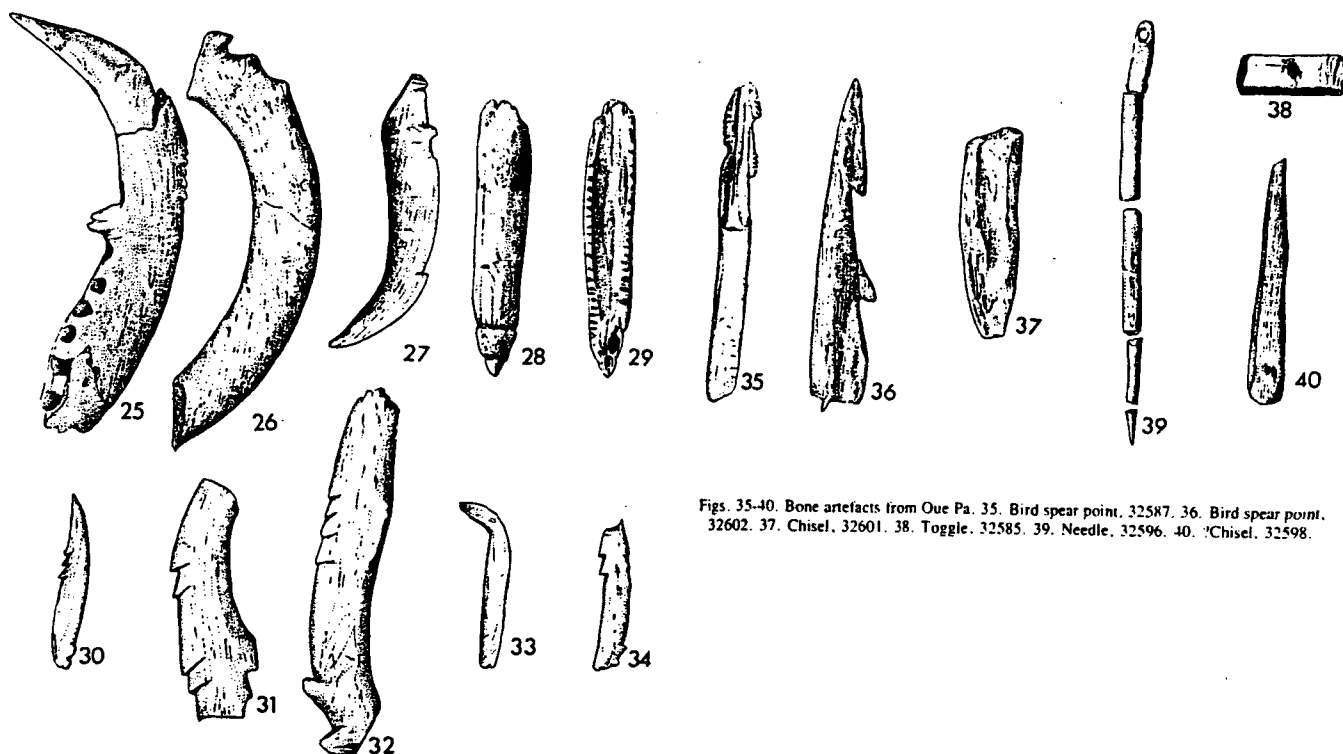
During the second excavation, of particular note was the construction of a terrace out of shells (pers. comm. Brenda Sewell). The deposits were primarily made up of cockle shells, were 1.5 metres thick and contained postholes at various levels through the deposits.



Figs. 9-12. Stone artefacts from Oue Pa. 9. Adze, 32604, excavated from area B1. 10. *Nguru*, 32582, from excavation T3. 11. Nephrite chisel, 32587. 12. Nephrite chisel pendant, 32599.



Figs. 22-24. Wooden artefacts from Oue Pa. 22. Fernroot beater. 23. Top. 24. ?Handle of beater.



Figs. 25-34. Composite bait hook shanks and points from Oue Pa. 25. Unfinished point, 32592. 26. Shank, 32579.1. 27. Point, 32579.2. 28, 29. Shank, 32595. 30. Point, 32600. 31. Point, 32584.1. 32. Point, 32584.2. 33, 34. Points, unnumbered.

Figs. 35-40. Bone artefacts from Oue Pa. 35. Bird spear point, 32587. 36. Bird spear point, 32602. 37. Chisel, 32601. 38. Toggle, 32585. 39. Needle, 32596. 40. ?Chisel, 32598.

FIGURE 25 Artefacts Recovered from Oue Pa Site (S11/53) Excavations

(Source: Records of the Auckland Institute and Museum Harsant Dec 1981:63-93, Figures 9-12 and 22 to 40)

3.1.3 *Te Manurewa O Tamapahore Wiri Mountain (R11/32)*¹⁸

(Within the following section the excavations of Te Manurewa O Tamapahore Wiri Mountain are discussed in some detail. This is because they are unique within Manukau City in that they were undertaken for scientific purposes rather than being driven by development pressures and threats of site destruction. A hypothetical sequence of volcanic cone and stonefield occupation developed from this research is still relevant today, having been supported and reinforced by subsequent excavations in the area.)

From 1972 to 1975 Agnes Sullivan carried out excavations of stone structures on the lower slopes of Te Manurewa O Tamapahore Wiri Mountain (R11/32 [N42/24]) and Matukutureia (R11/25 [N42/17]) McLaughlin's Mountain (Sullivan 1974 and 1975) (Figure 9). These investigations were part of a broader programme of doctorate research focused on stonework and Maori gardening in Tamaki before 1840. Although the thesis was not formally presented much of the research has been published or released in manuscript form to facilitate ongoing investigations (refer to Sullivan n.d., Dec 1972, 1973, Sep 1974, 1975, Feb 1975, Dec 1975, May 1979, 1983, 1985 and 1986).

Broadly, the excavations were to test the hypothesis that the majority of stone structures were prehistoric, with some dating to the protohistoric period, and that post-European settlement activity had had relatively little effect on the nature of the field remains (Sullivan Sep 1974:129).

Early in 1972 a range of stone structures ('mounds') of varying shapes, and with differing quantities of exposed soil and rock cover, were sectioned to determine whether or not they had been constructed on the modern soil surface (Sullivan Sep 1974:130). The profiles through 5 sectioned structures, representing all the variations observed on the lava fields, showed that the scoria stones and associated midden deposits, and one 'ring-curb' of larger rocks built to contain smaller rocks and soil, had been placed over a paleosol (ie. old soil) and exposed basalt lava outcrops (*ibid*: 131-33). The results were interpreted to indicate that the majority of the stonework in this area pre-dates European settlement.

Further analysis of stonework, including rows, walls and different shaped enclosures, possibly representing field shelters, indicated that some mounds were re-piled remnants of earlier collapsed and dilapidated structures:

"Under a system of periodic re-use of garden plots, such loose scoria could have been roughly piled into mounds along gaps in wall lines by cultivators not especially concerned to keep the fabric of the walls intact, but more intent to get the work of re-clearing, digging and planting of garden plots done with a minimum of effort." (ibid: 135)

Sullivan suggested that structured scoria mounds (ie. with a ring-curb of large rocks) may have been used for gourd cultivation (*Lagenaria* species), and where there were a number of such mounds, there may have been a zone of intensive gourd gardening (*ibid*: 140). She concluded that most of the stonework is prehistoric, some possibly being protohistoric, with most structures being derived from earlier walls that

were broken down by natural and human forces and reworked into piles during gardening activities.

Further excavations on the western slope of Wiri Mountain were undertaken in 1975 upon an artificially cut terrace and radiocarbon age estimates were obtained from charcoal samples (Sullivan 1975 and Dec 1975). This excavation, together with information from other scoria cones on the isthmus, and comparative data from Pacific ethnography, helped to develop a hypothetical sequence for prehistoric agricultural development of volcanic soil in South Auckland:

"The situation hypothesised for the initial utilisation of Auckland volcanic cones, is one in which a small initial population makes an attempt to transfer an agricultural system developed on and adapted to small high volcanic tropical islands, to the then extensively forested Auckland Isthmus. Under this model, shore side habitation areas along harbour fronts, branches of tidal creeks and adjacent small islands would be backed by gardens of several kinds ranging up through several environmental zones, to the volcanic cones, though survival of any such archaic beachfront sites in the Auckland isthmus is rare, because of extensive waterfront development, and the high rate of erosion on a receding coastline." (Sullivan 1975:35).

The suggestion is that occupation began with an initial firing of the mixed podocarp and broadleaf forest cover and use of the cones for scattered bush gardening of taro and possibly yam at the end of the 13th century A.D. (*ibid*: 46; also refer to Sullivan Sep 1975, Table 1 p.76 for a list of plant species identified from excavated charcoals from site R11/32). Other crops probably grown most likely included gourds and paper mulberry. At Wiri the suggestion is that kumara was gardened, rather than taro, when the cone was first occupied. At a later date, probably in the 14th century, burning was followed by the systematic clearing of scoria rock into walls which divided the red loam soils of the cone slopes into segments (ie. a radial arrangement of land units) for growing kumara (*ibid*: 40). The areas were divided into strips 20 to 60m wide and 80 to 300m long. At the same time terraces were probably constructed and occupied on the cone summits, and later, possibly at the end of the 16th century, expansion of habitation terraces may have been associated with disuse of the slope gardens and large-scale extensive gardening in the brown soils of the surrounding lava fields below the cones:

*"The excavated sequence at N42/24-5 (R11/32) has suggested a non-adaptive, imitative model from tropical east Polynesia for initial agriculture in the Auckland isthmus. Coneside kumara gardening seems to appear in the Wiri...sequence as a going system, and its extension and elaboration on the lava fields is well documented." (*ibid*: 47)*

(Note: Sullivan's suggestion that bush clearing began at the end of the 13th century is based upon a charcoal sample containing tree species which may be a lot older than the activity associated with Maori occupation. Some archaeologists therefore believe that bush clearing on the cones may date to more recent times, possibly in the 14th century.)

Retaining walls were also constructed across the lower edges of the slope gardens, often following breaks in contours along raised rock outcrops, subdividing the slopes into smaller units. On the flattish ground, and within the 'sunklands' in between the old lava flows, there were roughly rectangular plots 20 to 50 metres square and

smaller enclosures measuring 10 to 20m long. These areas had been cleared of scoria rock which had been placed around the exposed basal lava outcrops (Sullivan 1974:135). Recorded stonework features included piles of loose stone and earth and stone, free-standing walls, some with double-facing, rows and single stone alignments, platforms, faced terraces and retaining walls.

Between 1971 and 1975 Agnes Sullivan worked throughout the Wiri, Pukaki and Puhinui area completing extensive site surveys (discussed above) and a number of small scale excavations. Some of the results of these were written up by archaeology students from the Department of Anthropology at the University of Auckland. One such paper was written by T. M. Nepe (1974) and entitled 'Analysis of a Sample of Shell Midden from McLaughlin's Mt. (N42/17)'. Analysis of the midden showed that it consisted primarily of cockle, the size being mostly between 12 to 20 mm in length. The small size indicated possible over-exploitation of the resource, or as Nepe suggests, shell collection may have been the responsibility of children who were less selective in their collection process. Subsequent work within the Matukurua stonefields has built on and expanded this pioneering work of Sullivan's.

3.1.4 Matukutureia McLaughlin's Mountain (R11/25)

Archaeological excavations were undertaken in the summer of 1979-80 within the remnants of the Matukutureia McLaughlin's Mountain (R11/25 [N42/17]) stonefields (Figures 7 and 9). The investigations were in response to a proposal by the Auckland Regional Authority to construct a sewer pipeline across Oyster Point through the stonefields at Puhinui (Lawlor 1979, Mar 1980, 1981 and Sep 1981). Work included intensive survey and detailed structure and feature mapping, aerial and infrared photography, and excavation of selected areas within the pipeline transect.

Approximately 1500 square metres were opened and excavations showed that Maori occupation was associated with the clearance of stone from selected areas, the construction of garden enclosures, use of temporary field shelters, and streamside habitation and cooking. Artificial living platforms had been constructed along the Puhinui Creek banks, using scoria boulders and rocks as retaining walls, and the surfaces were occupied and used as cooking areas:

"Features and stratigraphy suggest that Area A (the creek bank) was a zone of intensive cooking activity. The construction of terraces by the building of retaining walls, and the erection of shelters (represented by postholes) and platform structures suggest that the area had an extended domestic use. Stone structures (including an extensive stone row boundary system) may have originally been constructed down to the creek edge. Stones from these structures may have later been used in the construction of and artificial creek bank." (Lawlor 1981:177)

Radiocarbon age estimates suggested that stream-side activity may have occurred as early as the 13th century. At this time, the vegetation was burnt off and cleared from the banks and local shellfish resources were gathered from the mid-harbour, inshore and creek areas. Shellfish, especially cockles, fish and probably dog and rat were cooked and eaten.

Within the stonefields excavations enabled the reconstruction of a hypothetical sequence of intensive gardening activity which was dated to the 16th century:

"...soil had been gathered from areas of little or no use for cultivation (exposed, insufficient moisture) and placed within selected garden zones (naturally sheltered depressions adjacent to outcrops of massive basal lava). The scoria rocks were cleared not only from the soil source areas but also from within selected depressions, and were placed in heaps and rows." (ibid: 178)

L and C-shaped field shelters had been erected on raised areas of basalt lava within the gardening areas. These were insubstantial huts or wharau constructed out of a few stakes and supported at the base by a low scoria wall which also probably acted as a windbreak. Finds from the excavations included obsidian flakes, fire stones, sandstone grinders, adzes, adze flakes, petrified wood flakes, pebbles, kauri gum nodules and an assortment of bones. Analysis of stone flakes suggested they had been used in food preparation. Within the creek itself, stone rows had been constructed and were probably used as fishtraps.

Attached to the Puhinui N42/17 Excavation Report (Lawlor 1981) is a series of natural history studies covering specialised areas of the excavation. They cover: midden analysis (Lawlor et al 1981), bird and animal bones (Scarlett and Foley 1981), fishbone (Lilburn 1981), human bone (Houghton 1981), obsidian and petrified wood flakes (White 1981), wood (Wallace 1981), plant remains (Braggins and Johns 1981) landsnails (Gardner 1981), European finds (Naus 1981), crab remains (Stephenson 1981) and pebbles, flakes and stones (Charters 1981).

3.1.5 *Marsden Point-Wiri Oil Products Pipeline: Wiri Oil Terminal Stonework Site (R11/1187)*

Between 1982 and 1983 four excavations were carried out along the proposed route of the Marsden Point to Wiri Oil Products Pipeline which had previously been surveyed by Cramond and Nevin (1981). They included investigation of: (1) the Wiri Oil Terminal Stonework site (Bulmer et al in prep.); (2) two Ambury Park stonework sites (Lilburn (1982); (3) an Ambury Park shell midden and possible house sites (Addis and Brassey 1982); and (4) a shell midden and terraces/pits site on the banks of the Waiokauri Creek, Pukaki (Taylor 1983). These excavations are reviewed in the following 4 sections.

The investigations at the Wiri Oil Terminal stonework site (R11/1187 [N42/1224]) was based on an intensive mapping project completed in early 1982 (Cramond et al 1982; also see Veart 1986:113-174) (Figures 7 and 9). Over 1,232 individual stone structures and features were recorded and mapped within the 30 hectare remnant of the Te Manurewa O Tamapahore Wiri Mountain stonefield. They included 985 structures which had been built and included stone rows, stone heaps and mounds, stone alignments, 'C', 'L' and U-shaped' stone arrangements, rectangular structures identified as possible house sites, enclosures, shell middens, caves, stone scatters and natural outcrops which may have been utilised.

A selection of these structures were then subsequently investigated as a condition of a NZHPT authority to destroy the entire area for the development of an oil tank storage terminal (Bulmer 1994:54-55). Excavations uncovered 3 walled houses, a

kerbed cooking site, garden walls, terraces, mounds, enclosures and a well. Of the house excavations, which are relatively unique in the region, Bulmer stated:

"Radiocarbon dates indicate the three houses at Matukurua were built and used between A.D. 1400 and 1510. All were four walled rectangular constructions on rocky ridges at the northern periphery of the Matukurua fields. They were facing on an extensive shallow swamp next to a small navigable stream leading to the shore of the harbour about 1 km away. Two other houses were arranged together on adjacent ridges, while the other was 100 m away. Other stone walled houses were reported to have formerly been present at Matukurua, in a similar situation about 1 km further upstream, and others have been mapped nearer the coast in the same volcanic field (G. Dreardon, pers. comm. 1986).

Each of the three stone houses excavated were structurally and functionally distinct, although they shared enough forms of construction to be seen as parts of the same house building pattern. The three houses shared four different kinds of wall construction:

- 1) single lines of selected roughly rectangular blocks;*
- 2) two lines of base rocks set in the earthen floor 50-100 cm apart with selected flat sides to the outside, and with a cobble wall built up on top capped with large slabs;*
- 3) two lines of rocks built up with fitted faces, up to 6 courses, with cobble core fill; and*
- 4) cobble wall as in 2 above, but with the exterior face continuous with the cobble facing of a slope downhill.*

Each of the three stone walled houses at Matukurua was distinct in size, shape and function from the others. They are referred to as the Big house, the Sleeping House and the Midden House." (1987:143)

(Note: The radiocarbon age estimates referred to in this quotation have been recalibrated since this paper was written (see Bulmer Mar 1994:66). Two dates for the 'Midden House' suggested that occupation ranged between A.D. 1477 and 1649 and a third date suggested the 'Big House' was associated with occupation which ranged between A.D. 1439 and 1599.)

In addition to these excavations, an experiment was undertaken by a student from the University of Auckland to determine the diurnal temperature patterns on site R11/1187 (Keen 1983; also refer to Veart 1986:167). Results showed that soil temperatures were significantly higher within stone walled enclosures, and more particularly, the inner sides of the walls were about 1 degree higher than the adjacent level areas. These temperature variations indicated that the enclosures had an environmental advantage over other areas; they would have provided sheltered and warm growing conditions.

The radiocarbon dates from shell midden associated with the houses, indicated that the structures were probably built about 400 to 500 years ago. These results are consistent with the dates from Te Manurewa O Tamapahore Wiri Mountain (Sullivan Dec 1975) and Matukutureia McLaughlin's Mountain excavations (Lawlor Sep 1981) and together indicate an extensive gardening complex across the Puhinui and Wiri stonefields which was intensively used in the 17th century.

A reconstruction of natural resources at the site was also undertaken (Coates n.d.). Results indicated that the lava fields were probably more inhabitable and productive

in prehistoric times. The inhabitants cleared the ground of scoria and built stone structures in the course of gardening activities creating more favourable micro-environments for growing crops (eg. kumara and possibly yams and bottle gourd). However, evidence suggested that, with the removal of the original vegetation cover and the eventual reduction in the soil fertility, gardening was possibly no longer economically viable.

The main report entitled 'Archaeological Investigations at the Wiri Oil Terminal Site' by Bulmer, Green, and Hughes includes chapters by a variety of authors and is in preparation (see Bulmer 1994:54-55).

3.1.6 *Ambury Park Stonework Sites (R11/1123 and R11/1129)*

In 1982 Karen Lilburn investigated 2 stonework sites located in the path of the Marsden Point-Wiri oil pipeline in the stonefields west of Mangere Mountain (R11/1123 [N42/1143] and R11/1129 [N42/1137]) (Figure 5). The investigation was aimed at examining stone rows and stone heaps and their relationship with adjacent cleared areas. The excavations used trenches and concluded that the stone heaps were probably natural with only minimal modification occurring at the site. Areas suitable for crop cultivation were tested with test pits and revealed little or no stone and no evidence for modification of the soils. An independent assessment concluded that the area had potential for growing crops even though the archaeological evidence was minimal (Cox 1982:5).

3.1.7 *Ambury Park Midden Site (R11/736)*

In the summer of 1982-83 Peter Adds and Robert Brassey investigated a midden scatter and 4 possible house sites in Ambury Park (R11/736 [N42/779]) (Figure 5). These sites were in the path of the Marsden Point-Wiri oil pipeline. Test pits and areal excavation were carried out on all areas and 160 obsidian flakes were recovered. Adds and Brassey (1983:61) concluded that: (1) the site had been visited temporarily on several occasions but there was no structural evidence to indicate that it had been permanently occupied; (2) during occupation, fires had been built and shell fish consumed; (3) obsidian tools were being manufactured on site and a range of food preparation and wood working activities undertaken; and (4) occupation was not associated with gardening. The favoured interpretation was that the site was a specialised flaking activity area associated with the exploitation of marine resources (ie. a fishing camp).

3.1.8 *Waokauri Creek Midden (R11/602 and R11/609)*

In 1982, a shell midden and a midden and terrace site (R11/602 [N42/634] and R11/609 [N42/641]), located near Crater Hill on the banks of the Waokauri Creek, were investigated by Michael Taylor (Figure 7). Both sites were located in the path of the Marsden Point-Wiri oil pipeline, however, construction preceded the investigations leaving only one-third of R11/602 to examine; R11/609 had probably been destroyed by the earthworks leaving little trace (see Taylor 1983:1).

In an interim report on the excavations Taylor summarised the results as follows:

"Remnants excavated indicate a multipurpose streambank occupation site where a variety of activities were carried out. A primary function of the site revealed by excavation was food storage with associated areas of food preparation and cooking. Subsistence was indicated by the considerable volume of storage capacity for kumara on the remaining portion of the site and by a variety of fish, shellfish, and bird remains deposited in middens. Dogs and rats were also eaten on the site. Features uncovered included 14 pits of varying sizes and depth, a number of hangi (some with the stones removed) and several groups of aligned postholes. The relationships of these features indicate repeated occupations or redevelopments on this site, with a number of structures of a permanent or semi-permanent nature." (1983:13)

Artefacts recovered from the investigations included 52 obsidian flakes, lumps of red chert, a small sandstone grinder and an anvil stone. Taylor also noted the high probability that adjacent streambank midden sites on Crater Hill probably conceal a similar complexity of occupation evidence. Possible gardening activities to the southeast across the promontory were not in evidence in the pipeline transect, although surrounding midden along the streambank indicated extensive occupation. The proximity of the sites in this area to the portage between the Manukau and Waitemata Harbours was highlighted as a strategic factor.

3.1.9 Crater Hill Stonework/Midden/Garden Area (R11/665)

A complex of 4 sites located on the northeastern rim of Crater Hill was investigated in November 1984 by Russell Foster, Brenda Sewell and David Veart (1985) (Figure 7). They had previously been recorded by Agnes Sullivan (1975) and the work was undertaken in response to the then imminent construction of the Papatoetoe motorway bypass. The sites comprised pits, terraces and shell midden (R11/653 [N42/686]), stone walls and a garden area (R11/662 [N42/695]), a platform, stone wall and possible garden area (R11/664 [N42/697]) and a stonework, midden and garden area (R11/665 [N42/698]). However, since the sites were contiguous and considered to be associated with a single occupation, they were grouped under the single site number R11/665 for convenience (Foster et al 1985: 6).

In addition to the excavation of site area R11/665, two other sites previously recorded by Sullivan on the eastern rim of the crater and thought to be associated with pre-European occupation and gardening were investigated (ibid: 9-10). A long trench located to the south of a reported ?pits/terraces and shell midden site (R11/654 [N42/687]) was excavated and a series of trenches were dug in the vicinity of a reported doubtful terrace site (R11/655 [N42/688]). No evidence of Maori occupation was revealed through these investigations.

Five parts of site area R11/665 were excavated by hand revealing 3 periods of activity possibly relating to a single of occupation. Evidence of a domestic complex included a pit, occupation terraces, a possible house site and a constructed platform made of basalt cobbles (ibid: 37). A stone wall may have been a boundary marker and stone mounds on the slopes appeared to have been constructed as small terraces to not only deepen and level the soil of the hillside, but also to prevent soil from washing down the slope. Stone edging may also have been a possibility. What

appeared to be a boundary wall with a gardening complex also occurred. From the evidence, the excavators concluded that:

"the site was part of a prehistoric community with house sites and living areas on the rim of the crater and associated slope and mound gardens in the immediate vicinity. These features indicate long term and possibly repeated, rather than occasional, occupation." (ibid).

Although a number of recommendations were made for further investigations, when the motorway route was realigned to avoid the rim of Crater Hill, further excavation was halted. Quarrying, however, has continued at Crater Hill with the subsequent modification of the historic landscape (Plate 2.3).

3.1.10 Wiri Railway Quarry Stonework(R11/1188)

The Wiri Railway Quarry site (R11/1188 [N42/1225]) covers 16 hectares and formed part of the extensive system of stonefields and gardens on the northern slopes of Te Manurewa O Tamapahore Wiri Mountain (Figure 9). In 1983 the NZHPT issued an Authority to NZ Railways to modify the site on condition that they fund a comprehensive mapping and investigation programme to be phased with quarry developments over several years (see Lawlor Mar 1995:7-8 and Foster Mar 1995 for further background to the establishment of the Authority conditions). A programme of archaeological work was subsequently undertaken between 1984 and 1986. The entire site area was mapped in 1984 by David Veart, Russell Foster and Susan Bulmer (1984; also see Veart 1986:113-174). This work identified 937 individual stone and earth structures across 3 land forms. The structures included 781 mounds (83%), 32 stone piles and stone concentrations (3%), 33 walls (4%), 34 shaped earth and stone walls and mounds (4%), 18 terraces (2%) and a range of other structures and features (eg. stone faced scarps, platforms, stone rings, and depressions). The land forms comprised a low plateau area containing 'mound gardens', garden enclosures and possible habitation terraces, a 'tumuli area' of broken ground with a range of stone structures, and a higher 'exposed plateau' with fewer structures and possible residential features (ie. a possible village site).

Subsequently, 2 seasons of excavations were undertaken with research specifically focused on habitation areas, gardens and environmental reconstruction. Results indicated that a large settlement was located on the plateau comprising a variety of features including a group of buildings, one of which was a large house, and an extensive earth oven cooking area (see Coates 1985, Coates and Rickard 1985 and Rickard 1986; also see Bulmer 1994:55). Radiocarbon age estimates from shell and charcoal samples indicated that the occupation was between 300 and 500 years B.P. (ie. 1400 to 1600 A.D.).

Of these investigations, and those that were undertaken on the related and adjacent stonefield (R11/1187, discussed above), Veart has stated:

"The only excavated evidence of inland settlement among the gardens has been at the Wiri Oil Terminal site, R11/1187 (Bulmer 1983), and the Wiri Railway site, R11/1188 (Veart in prep). The Wiri Oil Terminal site houses were single examples rather than in village groups and the houses at the railway site are possibly of specialised function, being associated with a group of huge hangi possible relating to some gathering or

event. The size of the hangi, one over 7 m in length, are greater than any other excavated examples in Tamaki and larger than one would expect for the population suggested by the number and size of the houses present" (Jun 1994:16).

Experimental work was also undertaken to investigate the earth and stone mounds. These structures had been interpreted as horticultural devices during the mapping phase of the investigations, and excavations were devised to determine construction methods, soil and stone composition, soil temperature regimes, moisture retention, organic matter content and colour and texture variations (Coates Jul 1985 and 1991). Experimental construction of stone mounds was also undertaken to gauge weathering effects and soil changes over a 12 month period. Preliminary results indicated that the mounds were 2 to 5 degrees Celsius warmer than the surrounding flat ground. This suggested an earlier and longer growing season well suited to the tropical cultigens that were most likely grown within the gardens (eg. kumara, yams and bottle gourd). The final report for site R11/1188 investigations is currently in preparation (David Veart pers. comm.)

In February and March of 1995, the unique mound garden remnants of site R11/1188 were bulldozed by DML Resources Limited for quarry purposes, contrary to onsite verbal agreements made with the ARC, MCC, DOSLI, NZHPT and Tangata Whenua (Plate 1.3; see Lawlor Mar 1995 and Foster Mar 1995).¹⁹ At present, quarrying of the site has been discontinued, at the request of the Minister of Conservation and DOSLI, the Hon. Dennis Marshall, and moves have been made by the MCC, DOC and the ARC Regional Parks Service to designate both the Otuataua and Wiri stonefields as public open space and heritage protection (see ARC Regional Parks Service Jun 1995).

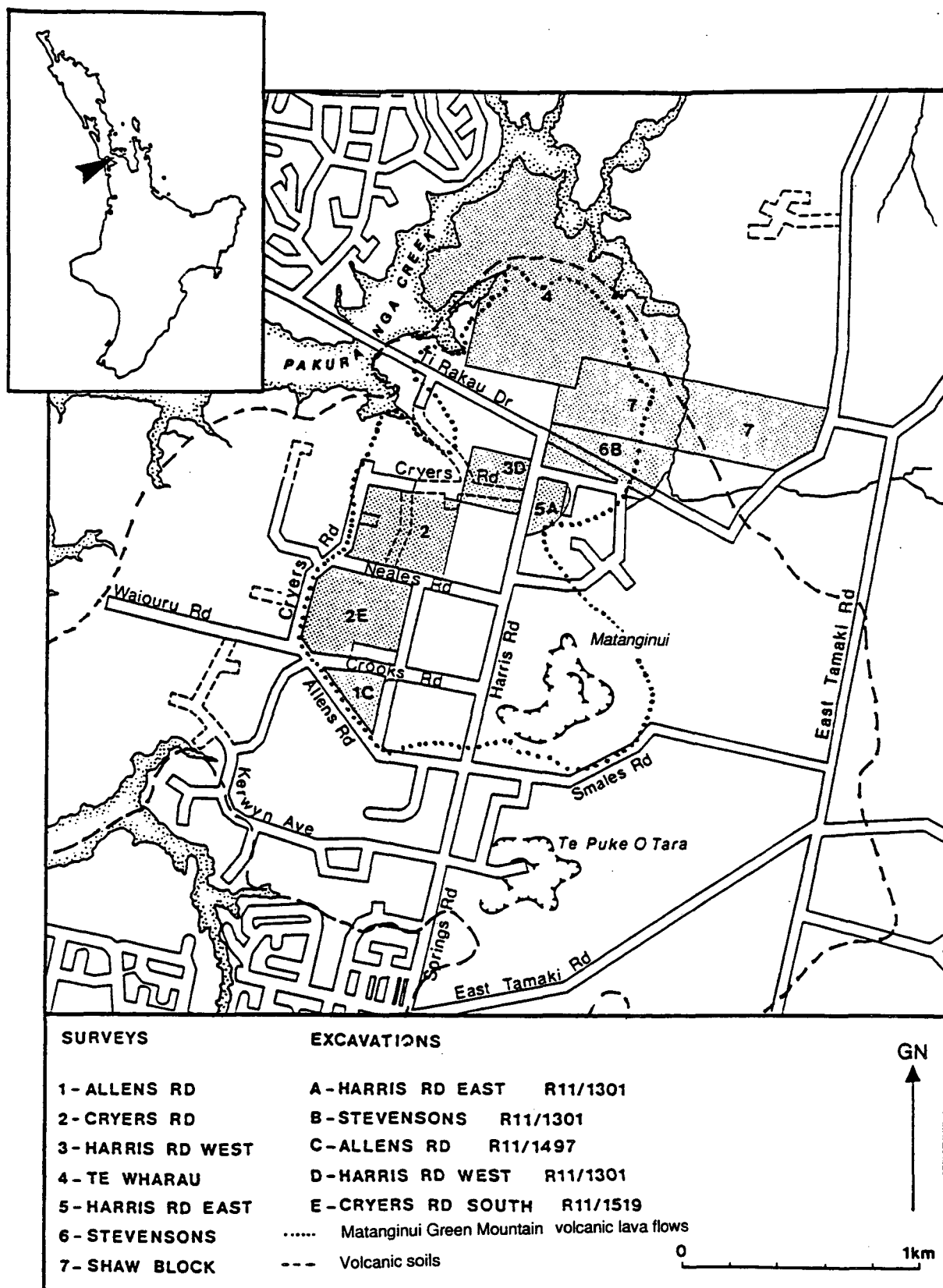
3.1.11 East Tamaki: Harris Road (East and West) and Stevenson's Block (R11/1301)

Between 1985 and 1994, seven sites were excavated within in the East Tamaki area of Manukau City (Figure 26). The sites were situated on what was part of the 400 hectare volcanic lava field remains associated with the Matanginui Green Mountain (R11/24 [N42/16]) and Te Puke O Tara Smale's Mountain (R11/36 [N42/28]) scoria cones, and the tuff crater known as Styaks Swamp. Over the last 10 years, this area has been the focus of intensive industrial subdivision which has resulted in the near total destruction of the prehistoric landscape. However, the NZHPT required the destroyers of the archaeological sites to fund major programmes of survey, detailed structure and feature mapping, and investigation, to mitigate the loss of these cultural heritage resources. Bulmer states:

"The destruction of these sites was approved by the Historic Places Trust as part of a decision, in 1984, to permanently protect two sample areas of the stonefields at Matukurua...and Otuataua...The East Taamaki field was judged to be (in 1984) too damaged to warrant permanent protection, and it was not a suitable position for protecting in a public reserve." (Mar 1994:39).

Intensive survey and mapping was carried out between 1983 and 1989 and the following 13 sites were investigated prior to their destruction (refer to Figure 26): stone mounds and stone walls located off the west and east sides of Harris Road and within an area called the Stevenson's Block (R11/1301 [N42/1203]); a

FIGURE 26 Map Showing the Location of Excavations on the East Tamaki Lava Fields



S. Maingay, S&R Directorate, D.O.C, Auckland, 1987

(Source: Department of Conservation, Science and Research Division, Science and Research Series No.21, Fredericksen and Visser 1989:4, Figure 3)

settlement and garden area called Allen's Road (R11/1497 and R11/1518); an area of terraces, midden and stonework across Te Wharau Peninsula in the upper reaches of the Pakuranga Creek (R11/1388, 1389, 1392, 1516 and 1517); an extensive area of stonework and shell midden called Cryer's Road (R11/1519); an area of middens, terraces, stonework and mounds called the Shaw Block (R11/1525); and a midden and stonework area called Southward (R11/1590 and R11/1591). These excavations are briefly reviewed in the following sections.

Between 1985 and 1986 Peter Douglas excavated the remnants of stone mounds and stone walls located across a lava field sectioned by Harris Road (R11/1301) (Figure 8). The area comprised a lava plateau, an adjacent swamp with stone kerbing, and 3 major boundary walls subdividing up an area containing over 580 mounds (Douglas 1987; also refer to Rickard 1985, Foster and Veart 1986, Bulmer Mar 1994 and Veart Jun 1994:18). Although the final report for these investigations has not been completed (Douglas in prep.), radiocarbon age estimates from shells taken from a mound structure indicated that they were probably built around 1250 to 1301 A.D.).

3.1.12 Allen's Road Midden and Stonework (R11/1497)²⁰

In 1986, an investigation of a western remnant of the Matanginui Green Mountain lava fields (R11/1497) located by Allen's Road was undertaken by Heather Albert (1986; also refer to Bulmer 1985 and Mar 1994:42, and Rickard *et al* 1983: 38-39). Preliminary reports on the work suggested that the cockle midden and charcoal was of historic origin.

3.1.13 Te Wharau (R11/1516 and R11/1517)

A series of test excavations and exploratory investigations were undertaken across an area located on the southern side of the Pakuranga Creek known as Te Wharau (Slocombe and Robinson 1986 and Robinson 1986; also refer to Rickard *et al*: 1983:41-42). The work was undertaken in response to proposed housing subdivision and industrial development. The investigations comprised test-pitting 3 sites during the survey; a pit depression (R11/1388), a midden associated with a posthole (R11/1389), and a terraces associated with a shell midden (R11/1392) (Figure 8). The results from this exploratory work indicated that the sites were of pre-European origin and further excavations were undertaken in 1990 of shell midden and a terrace, and stonework area (R11/1516 and R11/1517 respectively). The evidence broadly indicated occupation and gardening activities (Robinson 1990).

3.1.14 Cryer's Road Stonework and Midden (R11/1519)

In 1988 a series of archaeological excavations were undertaken on a 33 hectare area remnant of the Matanginui Green Mountain stonefields adjacent to Cryer's Road East Tamaki (R11/1519) (Figure 8). The investigations resulted from a series of recommendations that were made following a preliminary survey (Veart 1985) and a more intensive survey (Albert 1987). 397 archaeological structures and features

were recorded at 127 locations. And of these, 254 (64%) were earth and stone mounds and the rest comprised other stone structures (eg. walls, alignments, scatters) and shell middens.

Altogether, 6 distinct features and 3 raised lava areas were excavated (Fredericksen and Visser 1989). The results indicated that one feature had been the focus of temporary but recurrent occupation and 3 others exhibited evidence of past occupation. The two remaining areas were found to be unmodified natural formations. The structural and stratigraphic evidence suggested that permanent habitation was not a characteristic of the excavated areas of the site. Lithic and faunal material was poorly represented, indicating an absence of specialised subsistence and domestic activity. Gardening was probably the predominant subsistence activity and temporary shelters the most common type of structures built.

Nine samples were submitted for radiocarbon analysis. Eight samples were of unburnt cockle shells and one sample comprised carbonised twigs of a variety of plants. The range of age estimates suggested that the area was the focus of Maori occupation from the middle of the 15th century to recent historic times with intensive use in the 17th and 18th centuries (*ibid*: 131). The investigation results indicated that the availability of resources, especially the rich volcanic garden soils adjacent to fresh spring water, and the strategic position of the area between 2 volcanic cone pa, Matanginui and Te Puke o Tara, and the Tamaki River, made this site a favourable location resulting in occupation and use.

A pilot study into the use of soil phosphate analysis as a means of locating subsurface prehistoric occupation deposits was tested by Jan Coates (Mar 1990). The results indicated that this method is a useful tool to identify occupation where there is limited or no surface evidence of cultural activity.

3.1.15 Shaw Block Stonework, Terraces and Middens (R11/1525)

Between 1986 and 1988, three stages of excavation were undertaken by Adrienne Slocombe and David Veart (Mar 1989) on a 45 hectare remnant of the Matanginui Green Mountain lava fields referred to as the Shaw Block (R11/1525) (Figure 8). The work was undertaken in response to a Manukau City Council proposal to construct a road through the site. Survey and mapping work had previously recorded 30 locations with archaeological structures and features including 17 mounds, 4 shell middens, 7 terraces, a possible pit, stone structures and a wahi tapu

Three mounds were investigated by Slocombe in December 1986 and April 1987. The objective was to determine their structure and function because they appeared from the surface evidence to be unlike any others which have been recorded previously in South Auckland. They were very large and made of earth rather than earth and rocks. The excavation revealed that the mounds were historic features probably resulting from swamp drainage works undertaken in the 1960s. Other excavations however, also revealed a hangi (earth oven) containing stones, charcoal, shell midden and fish remains indicating that parts of the site were clearly related to pre-European occupation.

Excavation of 2 stream-side terraces was undertaken by David Veart in October 1988 (see Slocombe and Veart Mar 1989:28-39). Although there was only minimal evidence for occupation in the form of charcoal, Veart concluded that the terraces fitted the pattern of undefended occupation which has been identified elsewhere on the South Auckland lava fields; that is, transitional and temporary use, probably by gardeners moving around their plots and collecting food.

3.1.16 *Matanginui Southward Midden (R11/1590 and R11/1591)*

In 1991, David Veart investigated a shell midden (R11/1590) and midden and stonework site (R11/1591) located on a remnant of the Matanginui Green Mountain stonefields (Veart Jun 1994). These sites were to be destroyed by industrial subdivision development and quarrying and the objective was to determine if they were associated with open settlements (Figure 8).

The sites were partially excavated by hand to determine soil type, depth of cultural deposits and stratigraphy, and then machine trenched. This work showed the extent of the midden deposits, uncovered a few postholes, 4 areas which had been used extensively for fires, fire scoop features and a section of a stone wall. Together these structures were interpreted as indicating Maori gardening activities. Site R11/1591 was excavated using a series of test squares but revealed little cultural evidence. Veart concluded:

"The pattern that emerges is of the cone pa with its defences and central living area surrounded by garden land used either intensively or in some areas possibly only for short periods. The wall systems as elsewhere in volcanic Auckland are more comprehensive and regular close to the Pa, with complex irregular wall systems in areas of mounds. In other areas, while evidence of gardening is present, this is scattered and less intensive. The area of R11/1590 and 1591 falls within this latter group. It has been gardened but the evidence is sparse and the boundary systems, so complex and comprehensive elsewhere in the fields, here are scattered and fragmentary. At some time between the 15th and 17th centuries it was worth someone's time to divide up the plateau at R11/1590 with short wall segments, it was however not used enough to develop the complex land divisions or the large numbers of earth and stone garden mounds found elsewhere at (sic) Matinginui". (Jun 1994:19)

No village or open settlement of any size or permanence was uncovered and the evidence suggested that the occupants were only at the sites for short period of time.

3.1.17 *Mangemangeroa Shell midden (R11/1386)*

Between 1987 and 1993, five excavations were carried out within Manukau City. They included: a shell midden site (R11/1386) located on a small knoll overlooking the Mangemangeroa Stream in Howick; a stonework site located in the Tapapakanga Stream valley at Orere (S11/245); an undefended settlement site at the Wairoa River mouth (S11/108); a possible stoneworking site (R11/1783) located behind Buckland's Beach in Howick; and a major excavation the historic village site names Papahinu (R11/229 and R11/1800). These are briefly reviewed in the following sections.

In February 1987, Russell Foster investigated a shell midden located on a knoll above the western banks of the Mangemangeroa Stream in response to a proposed house development (Foster Feb 1989) (Figure 11). A single trench was dug along the knoll to establish the stratigraphy and identify any features in the area. Following this the whole ridge top was machine stripped to establish the extent of archaeological deposits. Four test pits were also dug on each side of the ridge, but no additional features were located there. Excavation revealed that the knoll had been modified to form 3 levelled areas. An upper platform and middle terrace contained a pit each and the lower terrace contained 2 possible drains. Postholes and stakeholes were present over the site and layers of crushed and whole shell had been used to level parts of the site. A unique feature of the pit on the upper platform was the presence of paired slots cut into the sides of the pit. These features led to the structure being identified as a house possibly used for sleeping or perhaps storage.

There were no in situ cooking areas recorded on the site although charcoal was located. The features that were present suggest the site was more than an overnight camping spot considering the effort put into construction of pits and terraces. Two main occupations were identified; the first was associated with food storage and the second probably involved seasonal marine resource gathering activities (Foster 1989:19).

3.1.18 Tapapakanga Stone Heaps (S11/245)

In 1990, Brenda Sewell investigated 2 stone heaps (S11/245 [N43/233]) located within Tapapakanga Regional Park prior to their destruction by roadworks being undertaken by the ARC Regional Parks Service (Sewell Jun 1994). Sections through the mounds showed that the heaps were dumps for rocks gathered from the surrounding soil. Unlike some of the lava field structures of Wiri and East Tamaki, the heaps neither had ring-borders or larger boundaries, nor did they have inner cores of earth and stone. The intervening ground between the 2 stone heaps was trenched, revealing possible gardening evidence:

"Charcoal analysis suggests that the alluvial terraces above the Tapapakanga Stream were cleared at least three times. Initially the area would have been covered in primary forest; this was probably cleared, a little at a time, by the early Maori inhabitants as they extended their gardens, leaving some area to rest after several seasons' plantings. During the rest periods regenerating bush grew which was fired when the particular area was needed again for gardens. This pattern of small gardens surrounded by primary forest, followed by regenerating bush, could have been practised for generations." (ibid: 19-21)

From the limited 'hard evidence' uncovered during the excavations, Sewell concluded that the stone heaps in the alluvial stream valley were made by Maori during gardening activities prior to the arrival of Europeans. The pit sites adjacent to the stonework suggested that some of the crops were being stored locally, however, the nearby pa and terrace complexes indicated that settlement was mostly likely focused on the coast.

3.1.19 Wairoa River Pa Site (S11/108)

In 1992, an area adjacent the defensive ditch of pa site S11/108 [N43/92] located on a raised ridge on the eastern side of the Wairoa River mouth at Clevedon was excavated by Brenda Sewell and Amanda Young (Young 1992). The work was undertaken in response to a proposed house development which was going to modify the site. The area was identified as a settlement evidenced by 2 shell middens and the remains of a large depression.

Excavations uncovered fire scoops, the posthole remains of a structure, and shell midden that may have been laid as an occupation floor over the clay soils. From the evidence Young concluded that:

"Investigations at S11/108 have identified the existence of an undefended habitation site to the north of the pa. This site seems to have two main phases of occupation with the earlier perhaps including all the elements necessary to fulfil Groube's definition of a basic domestic unit. These two periods of occupation have been dated to the seventeenth century." (ibid: 47)

3.1.20 Buckland's Beach Midden Howick (R11/1783)

In October 1993, Brenda Sewell investigated a total of 50 square metres of archaeological site R11/1783, a shell midden located along 'The Parade' in behind Buckland's Beach, Howick. The work was undertaken in response to house construction which threatened to impact on an area previously identified by Geoff Fairburn, a local resident and historian, as an adze maintenance and manufacturing area (Sewell 1994:1; also refer to Fairfield 1992:35-41).

A 15m long and 1.5m wide trench was opened up and extended as features were uncovered. Seven postholes and 2 firescoops and ovenstones were recorded beneath a shallow black soil and shell layer. Apart from modern European artefacts, 4 flakes (1 obsidian and 3 greywacke) and 1 obsidian core, no other adze manufacturing material was found. From the evidence, Sewell concluded that there were probably 2 occupations represented; square postholes were probably associated with the Buckland family farming activities and the remainder were probably associated with Maori occupation. No structures could be inferred from the arrangement of postholes. Even though the stone flakes suggested Maori occupation, the exact location of an adze manufacturing and maintenance area could not be ascertained.

3.1.21 Papahinu Settlement Pukaki Creek (R11/229 and R11/1800)

During November and December 1993 Russell Foster and Brenda Sewell carried out a rescue excavation of sites R11/229 and R11/1800 located on the southern banks of Pukaki Creek on the Manukau Harbour (Foster and Sewell 1995). The sites were reported to be part of a Te Akitai (Waiohua) papakainga known as Papahinu and they were in the path of the new south-eastern road access to the Auckland International Airport (Figure 7 and Plate 2.1).

Originally the sites were recorded as patches of shell midden associated with a possible structure (R11/229) and an earthwork depression and possible terrace located closeby (R11/1800). Investigations uncovered an extensive habitation site and showed two occupations ranging from the 15th century to the 18th century with the majority of structures and features (over 1,400 in total) dating to the historic period (ie. 1835 to 1863). Structures and features included surface fires and hangi or earth ovens, 37 pits, 14 houses based on posthole alignments and patterns, grooves or trenches, drains, a terrace, human burials and numerous postholes identifying possible fences, drying racks and above-ground storage structures. The pits were interesting in that they ranged in size, from small bins (1 x 1 x 0.5m deep), to shallow and deep rectangular structures (2 x 3 x 0.5m), some had internal and external drainage systems and one group formed a complex. Artefacts included obsidian flakes, whole and fractured chert pebbles, 2 greywacke adzes and one polished adze flake, a broken argillite adze blade and the central portion of a small, polished, black metasomatised argillite chisel, sandstone hoanga or grindstones, a piece of petrified wood, pumice pieces, limonite concretions, fishhook fragments, kokowai or ochre, buttons, clay pipes, lengths of slate pencil, brick fragments, glass fragments from a window, bottles and other miscellaneous items, ceramic pieces and numerous metal fragments (from cooking pots and handles, spikes and nails, a shingle knife, matchbox fragments, a pair of scissors, a spade shank, iron bars, a knife blade, a horseshoe, a shoe heel-plate, an unused bullet and a length of twisted wire). The lack of chert and greywacke flakes contrasts quite strongly with earlier Auckland sites where both are quite common (pers. comm. Russell Foster).

Site R11/1800 was found to be an extensive complex comprising 24 pits set out along a ridge closeby to R11/229 covering some 60 metres. The pits ranged in size from 11 x 2m to 2 x 1.2m and had variable depths (0.12 to 0.9m). Three pieces of obsidian, a white china fragment from a cup and sickle blade were found in association with the pits. Eleven pits had drains associated with them and they were identified as storage structures most likely built and used prior to European contact.

The investigators concluded from the evidence that there was some European influence on building methods but the occupants had retained much of their traditional lifestyle although certain items of European material culture had been adopted.

3.2 Radiocarbon Age Estimates

Forty-five radiocarbon age estimates have been obtained using charcoal and shell samples from 12 Maori occupation sites within Manukau City. These have been tabulated by NZAA site number (Figure 27) using information reported by Susan Bulmer (Mar 1994:62-67) and additional dates have been included from recent publications (see Young 1992, Veart 1994 and Foster 1995). Bulmer's report should be consulted for an explanation of the conventions used in the calculation of the calendrical age ranges.

What is immediately apparent from the age estimates is that the stonefields of Manukau City, and the associated volcanic cone pa and open settlements, were used between 1400 A.D. and 1700 A.D. The charcoal and shell samples from hangi, fire

FIGURE 27 List of Radiocarbon Dates for Manukau City Archaeological Sites (by NZAA Site Number)¹

NZAA SITE NO.	TYPE	NAME	DIRECTOR	YEAR OF EXCAVATION	LABORATORY NO.	DATE CALENDAR AGE RANGE ²	SAMPLE TYPE	SE REF NUMBER (See Appendix 2)
R11/25	STONEFIELD	Matukutereia (McLaughlin's Mt.)	I. Lawlor	1980	NZ-6198	AD 1515-1672	Shell	180
					NZ-5164	AD 1446-1860	Charcoal	
					NZ-5165	AD 1452-1670 (93%) AD 1779-1794 (1%) AD 1949-1955 (1%)	Charcoal	
					NZ-5166	AD 1670-1818	Charcoal	
					NZ-5167	AD 1299-1469	Charcoal	
					NZ-5169	AD 1010-1267	Charcoal	
					NZ-5170	AD 1451-1921	Charcoal	
					NZ-6198	AD 1612-1818	Shell	
					NZ-6199	AD 1488-1638	Shell	
R11/31	PA (VOLCANIC CONE)	Maungataketake (Ellett's Mt.)	J. R. McKinlay	1974	NZ-6353	AD 1479-1660	Shell	820
					NZ-6474	AD 1650-1853	Shell	
					NZ-6476	AD 977-1179	Shell	
					NZ-6482	AD 1438-1636	Shell	
					NZ-6483	AD 1327-1504	Shell	
					NZ-6486	AD 1459-1666	Shell	
					NZ-6491	Out of Range	Shell	
					NZ-6495	AD 1437-1635	Shell	
R11/32	PA (VOLCANIC CONE)	Te Manurewa O Tamapahore (Wiri Mt.)	A. Sullivan	1974	NZ-1887	AD 1410-1955	Charcoal	272
					NZ-1888	AD 1001-1490	Charcoal	
					NZ-1889	AD 1461-1955	Charcoal	
					NZ-1890	AD 1404-1672 (92%) AD 1755-1796 (3%)	Charcoal	
					NZ-1909	AD 632-1955	Charcoal	
R11/602	MIDDEN (SHELL)	Waokauri Creek	M. Taylor	1983	WK-2023	AD 1485-1677	Charcoal	292
					WK-2024	AD 1481-1673	Charcoal	

NZAA SITE NO.	TYPE	NAME	DIRECTOR	YEAR OF EXCAVATION	LABORATORY NO.	DATE CALENDAR AGE RANGE ²	STRATIGRAPHIC SAMPLE	SE REF NUMBER
R11/1187 ³	STONEFIELD	Wiri Oil Terminal	S. Bulmer	1982	NZ-6818	AD 1483-1649	Shell	32
					NZ-6819	AD 1477-1638	Shell	
					NZ-6830	AD 1439-1599	Shell	
R11/1188	STONEFIELD	Wiri Railway	V. Rickard J. Coates	1985	NZ-7010	AD 1586-1639	Shell	2280
					NZ-7019	AD 1447-1665	Charcoal	
R11/1301	STONE MOUND/ GARDEN	Harris Road East Tamaki	P. Douglas	1985	NZ-7098	AD 1415-1674	Charcoal	77
					NZ-7160	(out of range)	Charcoal	
R11/1519	TERRACE	Cryers Road East Tamaki	C. Fredericksen and E. Visser ⁴	1988	Wk-1126	AD 1505-1651	Charcoal	115 and 2076
					Wk-1127	AD 1463-1649	Shell	
					Wk-1128	AD 1500-1672	Shell	
					Wk-1129	AD 1514-1693	Shell	
					Wk-1130	AD 1587-1848	Shell	
					Wk-1131	AD 1691-1951	Shell	
					Wk-1132	AD 1502-1691	Shell	
					Wk-1133	AD 1497-1683	Shell	
					Wk-1134	AD 1682-1951	Shell	
R11/1590	MIDDEN	Matanginui Green Mountain	D.G. Veart	1991	NZWK-2810	AD 1475-1669 AD 1518-1632 (68%)	Shell	2075
R11/1591	MIDDEN				NZWK-2811	AD 1489-1688 AD 1542-1654 (68%)	Shell	
S11/75	PA (HEADLAND)	Pawhetau Pa	A. Fox	C. 1970	R2548 (Institute of Nuclear Sciences)	350 ± 80 B.P.	Human Bone (Collagen)	434
S11/108	MIDDEN	Wairoa	B. Sewell and A. Young	1992	NZWK-2756	320 ± 50 (Old) 330 ± 50 (New)	Charcoal	2084
					NZWK-2757	360 ± 50 (Old) 370 ± 50 (New)	Charcoal	

Notes:

- The major source of this information is Sources for the Archaeology of the Maori Settlement of the Tamaki Volcanic District. Appendix 1, Pages 62-67 by Susan Bulmer, 1994, DOC. Science and Research Series No. 63, Wellington. Additional dates have been taken from: (a) Amanda Young's (1992) report on The Excavation of an Undefended Settlement at S11/108, Clevedon; (b) David Veart's (1994) report on Excavations of Sites R11/1590 and R11/1591, East Tamaki, Auckland; (c) Russell Foster's 1995 Damage Report Archaeological Site R11/1188 Wiri Railway Quarry Site.
- The calendar age range has been recalibrated at two standard deviations. (i.e. 95% confidence level), unless otherwise indicated (e.g. 68%).
- These radiocarbon age estimates have been provided by Russell Foster (DOC Archaeologist)
- These radiocarbon age estimates have been recalibrated (see Fredericksen and Visser 1991).

scoops and middens at Matanginui (East Tamaki) and Matukurua (Wiri), indicate that the volcanic lava fields were being cleared of stone and used for gardening intensively in the 16th and 17th centuries. Nine age estimates also indicate that these activities continued to the time of European contact.

When was Manukau City (and the region) first settled? The best indications come from 6 age estimates which range below 1500 A.D. These were all from charcoal samples taken during investigations on the stonefields of Matukutūreia McLaughlin's Mountain (NZ-5167 and NZ-5169), terraces on Maungataketake Ellett's Mountain (NZ-6476) and terraces on Te Manurewa O Tamapahore Wiri Mountain (NZ-6486, NZ-1888 and NZ-1909). However, some of the charcoals that were processed to obtain these dates were from long-lived tree species (eg. totara and kauri), and the age estimates were thought to date the age of the tree rather than the gardening or cooking activity that occurred on the sites (see Lawlor Sep 1981). These early dates have been taken to generally indicate settlement of Tamaki during the 13th century (see Sullivan 1985:480). One archaeologist, after having completed a comprehensive analysis of radiocarbon dates throughout Aotearoa New Zealand, has suggested that initial colonisation is likely to have occurred in the 12th century (Anderson 1991:786).

3.3 Summary Discussion

Twenty-eight investigations out of a total of 31 have resulted from rescue work being undertaken within Manukau City. The primary object of these investigations has been to retrieve information from archaeological sites and areas under threat from development. Hundreds of hectares of archaeological landscapes and thousands of structures and features have been destroyed, especially over the last 15 years, to enable an oil terminal to be built, for industrial subdivision to expand, aggregate extraction and quarrying to continue, and communication routes to be built. To mitigate the loss of this cultural heritage, developers have funded programmes to survey, record and excavate the sites, and we now have detailed and comprehensive records of what has been lost.

Excavations, designed to test research problems have been undertaken on the Matukurua volcanic fields and at Oue Pa located bear the Wairoa River mouth, Clevedon. From this work, a hypothetical sequence of occupation on the volcanic landscapes of Tamaki was developed and one of the most artefactually rich sites was uncovered.

The archaeological evidence for Tamaki and Manukau City has been reviewed by Sullivan (1985) and Bulmer (1987, 1989, 1991 and in press; refer to Huakina Development Trust Apr 1990 and Anderson 1991). The following section from Sullivan's work is quoted in full because it provides a good summary of the evidence and is matched with ethnographic and historic records (see Plate 4):

" The Tamaki region, although coastal, belongs to a zone of recessed inner shorelines more accessible to detailed initial exploration than to initial broad coastal surveys and immediate settlement decisions. The region may not have been a focus of initial or even very early horticulture activity in the north, although it was probably visited during the very early phase of occupation. The earliest radiocarbon dates for activity in the Tamaki region are from the southeast and appear to be around the



Plate 4

"This reconstruction of an eighteenth-century Maori garden in the Tamaki Isthmus shows women carrying out the mid-summer tasks of weeding and harvesting immature gourds for eating and small kumara for making the delicacy called kao. Yams and kumara occupy the larger plots, sometimes mulched with gravel and dry grasses, while gourds scramble over mounds built beside scoria outcrops. A stone figurine protects the gardens which were tapu during the earlier part of the growing season. Taro and tropical ti grow in terraces on the edge of the nearby swamp. A temporary sleeping hut and cookhouse have been built on rocky ground close by to serve the needs of the gardeners whose home base is the terraced pa in the background."

(Source: 1,000 Years of Gardening in New Zealand by Helen Leach with illustrations by Nancy Titchborne (1984, after page 86) reproduced here with the permission of Reed Publishing Auckland, Helen Leach and Nancy Titchborne.)

thirteenth century (Lawlor 1981; Sullivan 1975) and therefore are later than those for other regions further east. Initial activity in Tamaki includes burning of some vegetation within an overall regional forest cover which on most volcanic areas appears to have comprised a podocarp-broadleaf mixture. Stratigraphic sequences for several subareas of Tamaki (Fox 1980; Sullivan 1973) show later episodes of removal of a mixed forest cover by burning. Firing was interspersed with episodes of vegetational recovery, though with some loss of tree species. Numbers of podocarp species, in particular, gradually declined on volcanic areas and in some places were phased out completely by the sixteenth century.

There is some evidence pointing to scattered small-scale cultivation of forest garden patches on the sides of regional volcanic cones by the thirteenth century. More hypothetically there may also have been limited cultivation of light soils in one or two shoreline locations at this time level. The first signs of systematically localised gardening in Tamaki appear during the fourteenth-fifteenth centuries and are associated with volcanic cones. Here burning of post-initial vegetation was followed by clearance of loose fragments of scoriaceous rock from lower cone slopes. Cleared rocks were used to construct downslope and cross-slope walls which enclosed, stabilised and to some extent retained moisture in friable patches of cleared slope soils. It is likely that all regional scoria cones underwent this kind of clearance and horticultural development, with cultivation of at least the main cones going back to the fourteenth and fifteenth centuries. Concurrently with cone clearance and cultivation, residential occupation areas began to develop on upper surfaces of scoria cones. On most cones these zones had strong defensive potential and it appears that garden-linked occupation of cone top areas was associated with defensive precaution against possible aggression. Traditions which can be placed genealogically somewhere around the fourteenth-fifteenth century describe the initial settlement of major scoria cones of the region and raise the possibility that several competing groups were involved in scoria cone clearance and garden site formation.

Subsequently there is evidence for expansion of both gardening and residential occupation on volcanic areas. Rock walled garden networks were extended outwards from scoria cone centres on to adjacent lava fields through vegetation removal, stone clearance, and rock wall building which continued the lines of downslope coneside walls. All lava fields of the region, except uncultivable rock fields on Rangitoto Island, appear to have been comprehensively networked during this expansive phase. Garden sites also expanded out to maars and other areas of stone free ash-fall soils. Here rock walls were not built and former cultivation sites were marked mainly by the presence of sweet potato storage pits and residential terraces. In a few instances faint earth-mounded lined form remnants of reticulated subdivision systems of brush and stake fences with earth caught or piled along base lines. Residential space on scoria cones was increased during the phase of garden expansion by construction of artificial living surfaces in the form of flats and terraces built into upper slopes. Residential cone terraces overran some former areas of walled coneside gardens but were associated with multiple sweet potato storage pits indicating extensive dependence on horticulture. Upper volcanic cone terraces formed part of cone top defensive centres which now contained durable defensive features including artificially steepened scarps and later ditches. All surviving scoria cones of the region show signs of residential development. The majority also contain defensive features, the exceptions being small low cones of little defensive value.

Food producing resources of Tamaki comprised in the first instance plant foods, major cultivated crops and variably important gathered plant foods, and in the second, marine protein sources which were probably as a whole of little less importance than the plant foods. Regional distribution of volcanic cultivation soils and associated volcanic cone residential centres provided very uneven access to marine protein sources in shoreline shellfish beds and harbour fishing grounds...Marine protein sources were extensive rather than concentrated, and importantly seasonal. It appears unlikely that at any stage of the indigenous occupation system before 1840 would it have been possible to obtain an adequate annual supply of both vegetable

and protein food from within the daily radius of any of the volcanic cone residential centres. Volcanic cone or cone district sedentarism was not a viable occupational strategy.

Ethnographic sources for the early nineteenth century outline a local occupation system in Central and Southeast Tamaki focussed around three territorially distinct social groups. Similar groups occupied adjacent regions. Economic activity in each local group incorporated an intricate system of annual movements and activities designed to accommodate shifting seasonal requirements of the gardening and fishing-shellfishing components. Under the system small gardens were planted in early spring at coastal locations adjoining harbour fishing grounds. A series of such gardens were then left untended on protected situations, such as surrounded by uncleared scrub, to ripen for the coming summer. Main gardens for winter supply were planted in late spring at main settlements beside winter residential and crop storage facilities. After completion of main plantings, subgroups left the main settlement to fish from a succession of fishing camps at which they harvested and consumed previously planted garden supplies. They returned from this annual working tour in autumn to carry out main crop harvesting.

In the early nineteenth century the occupation system periodically fluctuated through a set of politically determined phases with direct effects on economic activity. The seasonal movement network comprised the framework of the peace time economy. For the fully efficient operation of this economy and provision of an essentially year-round supply of cultivated crops, regional and interregional peace was necessary. The actual calendar of early nineteenth century events list a long series of attacks and raids from outside sources, which caused greater or lesser divergence from the peacetime framework. Raids, that is relatively minor attacks, entailed crop and work force losses and curtailment of freedom of seasonal movements. They also diverted effort into fort building and into an increase in gardens planted in secluded areas to attempt to obviate expected losses from raiders."

Sullivan continues to relate how the region was abandoned periodically and during such occasions cleared plots reverted to secondary forest and the gardening would have recommenced over a period of years as seed stocks were re-established (*ibid*: 483). At these times she suggests uncultivated and semi-cultivated food plants like bracken fern would have been used. She also suggests that a broad equivalent of the economic and social patterns evidenced in the 19th century can be extended back to the 16th century.

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4. MANAGEMENT

4.1 Background

The use, development and protection of the cultural heritage of Manukau City (and the Auckland region) has been a long standing issue. This is particularly the case for the volcanic geological heritage, historic places and archaeological sites.

Approximately 40 years ago the Historic Society of Auckland published a report entitled Auckland's Volcanic Cones: A Report on their Condition and a Plea for their Preservation (Golson and G. Fowlds 1957). This publication outlined the primary values associated with the volcanic fields and made recommendations to control the exploitation and damage to the cones. The report stated:

"Only direct action at Government level is sufficient to meet the case. It is an urgent necessity that the Government, through the Minister of Lands, consider the whole question in conclusion with all interested parties..."

and concluded

"Extensive and unplanned quarrying for scoria is threatening Auckland's unique collection of volcanic hills with their geological, historic and scenic value. The arguments used to justify this destruction are based on a misconception of the length of time that the cones can satisfy the city's metal requirements and the cheapness with which they can do so. It is urged that quarrying be confined to a limited number of hills and that comprehensive legislation be introduced to prevent quarrying on a number of specific cones and to stop existing quarries on several others".

The report recommended that quarrying on the following cones within Manukau City be stopped: Green Mountain East Tamaki, McLaughlin's Mountain Wiri, Mangere Mountain, Pigeon Mountain Pakuranga and Smale's Mountain Otara. It also identified cones worthy of preservation (Ellett's Mountain and Puketutu or Weeks' Island) and cones that were so heavily damaged that they could be considered expendable (Boulton Hills Mangere, Crater Lake Papatoetoe, Otuaataua Ihumatao, Pukeiti Ihumatao and Wiri Mountain).

Four years later in an article entitled 'The Despoliation of Auckland's Archaeological Sites', Bob Brown highlighted the fact that little had been achieved even though the earlier campaign was covered in the media and had a measure of public support (1961:64). He made a number of recommendations to address the continued destruction of the volcanic field through revision of legislation and procedures, and concluded:

"the time is now long overdue in Auckland for a concerted effort to preserve as much archaeological material and as many sites as possible and to record and investigate where destruction is inevitable."

It is hoped that it will take less than 40 years to have other significant historic sites, historic areas and wahi tapu recognised and protected. The recent moves by the MCC, ARC and the DOC to have the Matukurua and Otuaataua stonefield remnants designated for open space and heritage protection are moves in the right direction.

A coordinated project focusing on the management of Mangere Mountain as a historic reserve has also been under development over the last 4 years (see Department of Conservation Jul 1991 and Kerr 1992). Here the DOC, MCC and Tangata Whenua are working together to protect this significant site from damage and inappropriate use, and promote it as an educational centre (Masani 1995). This is an important and formative step in cultural heritage management within Manukau City and the wider Auckland region.

4.2 The State of Manukau City Sites

The best information to facilitate site management is held within the CHI archaeological site database field called STATE. (This data was provided by the DOC Wellington Conservation Sciences Centre from their Central Index of New Zealand Archaeological Sites or CINZAS). For each archaeological site there is a summary statement about its condition and whether or not there is any threat or danger. This information has been tabulated **to provide a broad general picture** of the condition of Manukau City sites (Figure 28). The words 'broad general picture' have been highlighted here to emphasis that this is a summary statement only, based upon records which are sometimes outdated. It is highly likely that many more sites have been destroyed or damaged since this data was gathered, and that many more are under threat of destruction. Briefly the table shows that 261 sites (25%) are intact and 126 (48%) of these receive continuing minor damage, 596 (58%) are partly damaged and 421 (71%) of these receive continuing minor damage, 51 are largely or completely destroyed; and that over two-thirds the sites within Manukau City are either suffering continuing minor damage or are at risk of severe damage. 182 sites, 18% of all those recorded in Manukau City, are either largely or completely destroyed, or are at risk of severe damage. There is no information for the condition or danger for 118 sites.

In order that a diverse and representative range of archaeological sites is preserved and protected, greater effort is required by agencies charged with the management of cultural heritage resources.

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FIGURE 28 Summary Table of Archaeological Sites Showing Condition and Threat of Damage or Destruction

		DANGER OR THREAT				
		Little Future Danger	Continuing Minor Damage	Risk of Severe Damage	No Info on Damage	TOTAL
STATE OR CONDITION	Intact	107	126	18	10	261
	Partly Damaged	39	421	106	30	596
	Largely or Completely Destroyed	9	4	18	20	51
	No Information on Condition	0	2	7	118	127
TOTAL		155	553	149	178	1035

5. MARITIME HERITAGE

In 1993 the ARC initiated a research programme to identify historic places and areas that are primarily of European association and are located within the coastal environment of the region (Taylor Sep 1993). The work was undertaken as a CHI project and the results were to be used in the development of the Regional Coastal Plan (RCP).

Presently, a report summarising all the work completed to date is in the final stage of drafting (Taylor in preparation). It will include maps showing the distribution of sites and a draft list of significant coastal marine area sites that are proposed for inclusion in the RCP. It is important to note that this work does not include sites that have been identified as significant by Maori. This is because within the RMA91 and the New Zealand Coastal Policy Statement (Department of Conservation May 1994) there is a legal imperative for Iwi to identify places of special significance in accordance with tikanga Maori. However, some sites of Maori origin which have scientific importance have been included (eg. battle grounds, fishtraps, traditional places and stone working floors).

The maritime sites that have been identified within the Manukau City coastal environment have been included in this report because: (1) the Manukau City Council is responsible for managing those places and areas which extend above the mean high water springs (MHWS) tide level; (2) they can be recognised and provided for in resource management planning; and (3) future research is facilitated. (The sites are listed within Appendix 8 by computer reference number).

In summary, there are 68 maritime historic places and areas within Manukau City and they range from structures attached to the land to places located below the MHWS tide level (Figures 29 and 30). They include 22 wharves (Plate 4), with 8 of these being associated with other structures (eg. brickworks, landings, quarries and a store), 9 landings, 5 shipwrecks, 5 hulks, 4 bridges (Plate 5.1), 3 ballast dumps and a range of individual places including a boom, brickworks, burial ground, canoe, fishtraps, a ford, limeworks and quarry, a magazine, oyster farm, portage, quarry, rocket range, sawmill, a stone working area and walking stones.

Of these sites, 8 have been proposed for scheduling within the ARC Proposed Regional Plan: Coastal (1995; also refer to Proposed Regional Plan: Coastal Maps 1994). Three have been recommended for inclusion in the preservation schedule (*ibid*: map 1 sheets 13 and 23): a series of Maori stone fishtraps located in the lower reaches of the Puhinui Stream (R11/911 [N42/957]; CHIM 117); the Howick Wharf site (CHIM 554); and the Whitford ford (Plate 3.3; CHIM 763). Five have been recommended for inclusion in the protection schedule (*ibid*: map 1 sheet 24): 4 sites at Te Wharau on the Pakuranga Creek including Cryer's Wharf (R11/949 [N42/1031]; CHIM 118) (Plate 5.3), McCallum's Wharf and quarry (Plate 5.2 site R11/1263 [N42/1198]; CHIM 126), Guy's Wharf and quarry (Plate 5.3 site R11/1390; CHIM 127) and Te Wharau quarry (R11/1708; CHIM 443); and the Panmure Bridge abutments and swivel section (R11/1708; CHIM 136).



Plate 5.1

Stone abutment foundations of the Oruarangi Creek Bridge, Ihumatao, Mangere. The wooden structure and road alignment are no longer evident on this structure which was built before 1910. (See Figure 30 CHIM 864).

Plate 5.2

A historic stone jetty located on the Te Wharau River, Pakuranga Creek, East Tamaki, known as "McCallum's Wharf and Quarry" (R11/1263 and R11/1515). It is made of rough rectangular blocks of basalt quarried from local sources and historic plans date its construction to around 1867. (See Figure 30 CHIM 126)

Plate 5.3

A historic stone jetty located on the Pakuranga Creek, East Tamaki, known as "Cryer's Wharf" (R11/949). It is made of rectangular blocks of basalt quarried from local sources and hearsay dates the construction to approximately 1890. (See Figure 30 CHIM 118).

FIGURE 29 List of Maritime Historic Places and Areas Located within Manukau City (by type)

SITE TYPE	NUMBER OF SITES	CHI COMPUTER NUMBER (See Appendix 7)
BALLAST	3	909, 910, 1043
BOOM	1	85
BRICKWORKS/JETTY	1	549
BRIDGE	4	136, 161, 547, 864
BURIAL GROUND	1	674
CANOE	1	671
FISH TRAPS	1	117
FORD	1	673
HULK	5	83, 91, 147, 795, 852
LANDING	9	539, 679, 850, 992, 993, 995, 999, 1001, 1002
LIMEWORKS/QUARRY	1	550
MAGAZINE	1	676
OYSTER FARM	1	848
PORTAGE	1	832
QUARRY	2	433, 775
ROCKET RANGE	1	675
SAWMILL/BOOM	1	203
SHIPWRECK	5	629, 731, 743, 913, 918
SHIPYARD	4	86, 561, 688, 1000
STONE WORKING AREA	1	658
WALKING STONES	1	637
WHARF	14	118, 137, 441, 444, 454, 554, 672, 989, 900, 996, 997, 998, 1004, 1053
WHARF/BRICKWORKS	3	344, 552, 553
WHARF/LANDING	2	991, 994
WHARF/QUARRY	2	126, 127
WHARF/STORE	1	116
TOTAL	68	

FIGURE 30

Tamaki Strait

Firth of Thames

Manukau Harbour

Manukau City Council

KEY

LIMEWORKS	LANDING
BRICK WORKS	WRECK
STONEWALL	SHEDSITE
FISH TRAP	HULK
MINING/QUARRY	JETTY
SAWMILL	ADZE
BOOM	FORD
SHIPYARD	BRIDGE
PORTAGE	
LOCAL AUTHORITY BOUNDARIES	

**MARITIME CULTURAL HERITAGE SITES
IN MANUKAU CITY COUNCIL**

**DRAFT
8/3/95**

DATE: 20th July 1993
SOURCES: The New Zealand Archaeological Association (NZAA) Site Recording Scheme Auckland Region Site File, the ARC Cultural Heritage Inventory Programme, and The Department of Conservation, Wellington Conservation Sciences Centre Archaeology Database.
NOTE: WARNING: The absence of data for a particular area should not be taken to mean that it contains no archaeological sites. Most areas remain to be surveyed for archaeological sites. The data displayed on this map requires substantiated further interpretation if it is to be used properly. The information is only as reliable as that contained within the NZAA Site Recording Scheme from which it is derived. Sites are located within 100 metres of the points shown. For further information contact: NZAA Auckland Region File Keeper, Brenda Sewell, C/- Department of Conservation, Private Bag, AUCKLAND (Ph: 09-307-9279 or FAX: 09-3772-919).

CH169

Department of Survey and Land Information

Produced by ARC Environment
Auckland Regional Council
8th March 1995

Department of Survey and Land Information
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It is important to note that the research undertaken for this project is preliminary and many more places within the coastal environment are expected to be present. More detailed research is required: (1) to locate on the ground any physical remains of the 19 places and areas for which there are no NZMS 260 metric map grid references (see Appendix 8); (2) to assess the land backdrop component of sites and address cross-boundary conservation issues; and (3) to initiate systematic coastal survey and identify and evaluate sites for protection and preservation.

A major short-coming of this thematic approach to cultural heritage research, has been the lack of attention given to Maori sites and wahi tapu located within the coastal environment. To date, only Ngati Paoa have identified places of special value to them (ibid: map 3 sheet 1). The archaeological records indicate that there are literally hundreds of Maori sites located on the coast which are likely to have components within the coastal environment (ie. below the MHWS tide level, in the active coastal zone and within the land backdrop). Future work should redress this present imbalance and attempt to identify those archaeological sites in the coastal environment that are of special value to other Iwi within Manukau City.

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6. MAPS AND PLANS

A review of some historic maps and plans held by the Department of Survey and Land Information (DOSLI) Auckland was undertaken by the ARC Environment Historian, Graeme Murdoch, for this project. To facilitate future research the maps are listed in Appendix 4 and their contents described. Summary lists by computer sequence number provide the source, date, title, abstract, placenames, features and names of individuals. The 35 identified maps relate to early land surveys, land confiscations, European settlements and subdivisions.

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7. REPORTED HISTORIC PLACES

Some historic places and areas have been reported in publications or identified during consultation but they are not formally contained on lists, schedules or registers. Four historic sites were identified during this study: a sawmill at Tawhitokino, Kawakawa Bay, a brickworks and possible jetty on the Turanga Creek, Whitford, a wharf and jetty on the Wairoa River at Clevedon, and a logging track within the Tapapakanga Regional Park. These have been entered into a separate CHI database so that they can be tagged for future research, field inspection and site survey.

In addition, during research undertaken for the ARA Future Bulk Water Supply Study, 10 sites were reported within the Manukau City area but never investigated (see Lawlor Sep 1988:35 Maps 7 and 8). These included Maori historic village sites, earthworks and settlements. Future survey and site assessment work should include these places.

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8. WAHI TAPU

Within legislation 'waahi tapu' has been defined as a place sacred to Maori in the traditional, spiritual, religious, ritual or mythological sense (refer to the Historic Places Act 1983 s2; also refer to the Manatu Maori 1991 publication entitled Wahi Tapu Protection of Maori Sacred Sites). A 'waahi tapu area' means an area of land that contains one or more wahi tapu. (Here the long vowel sound in the word 'wahi' has been shown by the double 'aa').

Twelve wahi tapu have been formally recorded in Manukau City and included in district plans. However, the NZAA Filekeeper also has information within the regional Site Record File relating to Maori burials and reported wahi tapu areas which are retained in a 'Silent File' (refer to Section 2.4.7 *Human Bones and Burials* above). Many of the other 1,035 recorded archaeological sites within Manukau City are known to have tapu associations but these have not yet been formally recognised. More work needs to be undertaken to identify, where appropriate, places and areas with tapu associations.

A commonsense approach is needed when human remains or artefacts of Maori origin are found either by accident or during programmed development. Stop work, cover over the bones and finds to protect them from further disturbance, do not dig them up, and make contact with the police and the appropriate Iwi authority so that they can be dealt with in the appropriate manner. The local authority may be able to assist with identifying the appropriate Iwi authority.

Everyone undertaking archaeological research or historic place investigations should gain the consent of the appropriate Iwi authority in the first instance. They should keep them informed at all stages of the work and any remains, artefacts or objects should not be interfered with or removed without the consent of kaumatua authorised by the Iwi. The research results should be presented to Iwi and opportunities should be made to employ and train Iwi representatives during the investigations. (For additional information related to archaeology and wahi tapu refer to the World Archaeological Congress First Code of Ethics (Members Obligations to Indigenous Peoples) Explanatory Statement (Matunga Dec 1991)).

Ngati Paoa have been actively involved with surveying places and areas of interest to them in Manukau City (see Lawlor Jun 1990). Representatives of the Iwi worked in conjunction with the Manukau City Council on a project to identify, locate and delineate wahi tapu within 9 priority areas of the City. A number of inspections were undertaken by kaumatua (elders) through 1989, and some progress reports were completed, but the project stalled. An attempt was made to provide some coordination and direction for the project but it was never completed.

The Ngati Paoa and Manukau City Council wahi tapu identification project was based on a good concept; that is, archaeologists working with kaumatua to identify places and areas of significance to be reserved from development. However, it lacked sound direction and failed to establish a good set of base maps and information.²¹ Future directions for survey work might also include the re-establishment of this type of project with all the Iwi of Manukau City. Such a project

may go along way towards recognising and providing for Maori relationships with culture and traditions with their ancestral lands, water, sites, wahi tapu and other taonga (refer to the Resource Management Act 1991 s6(e)). The CHI could be used as a foundation for this work.

Information and more formal policies and guidelines have been developed by a number of Iwi authorities of the Auckland region who have interests in wahi tapu within Manukau City. The following reports should be consulted for further information:

- (1) Ngaa Tikanga O Ngaati Te Ata Tribal Policy Statement (Awaroa Ki Manuka Jul 1991);
- (2) A Ngati Paoa Perspective on Resource Management Part 1 and 2 (The Ngati Paoa Whanau Trust Board (Aug 1993);
- (3) The Hauraki Maori Trust Board Annual Report (Hauraki Maori Trust Board Dec 1993);
- (4) Waikato Iwi Cultural Management Plan (Huakina Development Trust 29 Jul 1994); and
- (5) Ngai Tai Ki Tamaki Management and Development Plan (Ngai Tai Ki Tamaki Trust 1994).

It should be noted that Iwi planning documents need to be taken into account in resource consent processes (refer to the Proposed Auckland Regional Policy Statement (Auckland Regional Council 1994), the Proposed Regional Plan: Coastal (Auckland Regional Council 1995) and the Manukau City Proposed District Plan (Manukau City Council Jun 1995)).

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9. MANUKAU CITY PLANNING SCHEMES

Over the last 20 years, and more especially since 1984, cultural heritage items have been listed within planning schemes related to Manukau City. The planning schemes include the following:

- **Manukau Harbour** Plan Parts 1 and 2 (Auckland Regional Authority 1978)
- City of **Manukau** Reviewed District Scheme (Manukau City Council 1984)
- **Papatoetoe** Second Reviewed District Scheme (Papatoetoe City 1986)
- **Waitemata Harbour** Planning Scheme (Waitemata Harbour Maritime Planning Authority 1987)
- **Manukau City** Council Proposed Second Reviewed District Scheme (Manukau City Council 1989)
- Draft Coastal Management Plan **Hauraki Gulf Coastline** (Manukau City Council Sep 1989)
- **Howick** Proposed Third Reviewed District Scheme (Manukau City Council 1991)
- Operative Second Reviewed Manukau District Scheme **Manukau City** Transitional District Plan (Manukau City Council 1993), and the
- Operative **Manukau (Manuka) Harbour** Maritime Planning Scheme (Auckland Regional Council 1993).

The cultural heritage items within these schemes were recently reviewed as part of a CHI research project (Liang in prep.). The Manukau City results have been attached to facilitate future research (Appendix 5). In summary, there are 3 areas, 70 buildings, 6 objects, 1 place and 3 structures. Of the buildings, 4 are civic (3 halls and 1 post office), 1 is commercial (a store), 43 are dwellings (including 17 homesteads, 12 houses, 6 cottages and 1 lodge), 15 are classified ecclesiastical (14 churches and 1 chapel), 3 are associated with education, 3 with farming (a barn and 2 stables) and one is a theatre. Objects include fossil kauri logs, a landing and jetty, a war memorial, 2 mile posts, a gun emplacement and stone walls. The place and 3 structures listed above are a cave and wells. In addition, there are a number of reserves which are managed for their historic values, including: Shamrock Cottage, St. John's Redoubt and the McNichol Homestead at Clevedon.

There are at least 53 trees recognised with Manukau City as having significant historic or landmark values (Appendix 6). Of these, 10 are solely indigenous and 37 are exotic with the remainder forming combinations which are more often within format gardens like that of Franklynne, the Massey Homestead. Indigenous trees include puriri, tii or cabbage trees, totara and pohutukawa, including one of

significance to Ngai Tai named Te Tuhi a Manawatere at Cockle Bay Howick. There is a range of exotic species including pines, oaks, a rubber tree, cedar and cyprus trees and a tulip tree.

Out of the total 1,035 archaeological sites presently recorded within Manukau City, 23 (2%) have previously been scheduled within plans (Appendix 8). They have been recognised as being worthy of protection, have been through a public notification and submission process, and are considered important to the City and region.

In addition to these planning schemes, Manukau City historic places and areas are included on the NZHPT Register under the Historic Places Act 1993 (see Register of Historic Places, Historic Areas, Wahi Tapu and Wahi Tapu Areas NZHPT, Wellington, Version 1 Mar 1994). Presently, there are 2 Category I places, both European buildings (Old All Saints Church and Churchyard in Howick and Bell House and Restaurant in Pakuranga) and 88 Category II places. The latter include 58 archaeological sites and 30 buildings. Of the Category II buildings there are 7 churches, 4 community structures (halls or schools), 16 dwellings, 9 of which are classed as homesteads, 2 farm structures (stables and barn) and 1 World War II gun emplacement. Of the archaeological sites (Appendix 9), all of them are located within the stonefields at Otutataua and Ihumatao except for 3 pa. The latter are Matukutureia McLaughlin's Mountain and the associated stonefield remnant located across Oyster Point on the banks of the Puhinui Stream (R11/25), Pawhetau Pa in Kawakawa Bay (S11/75) and Koherurahi Pa in Kawakawa Bay (S11/115). There are no Registered Historic Areas, Waahi Tapu or Waahi Tapu Areas.

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10. SUMMARY DISCUSSION

The report reviews archaeological site information for the area covered by Manukau City. It is based on the New Zealand Archaeological Association (NZAA) Site Record File for the Auckland region and the Department of Conservation (DOC), Wellington, Conservation Sciences Centre, Central Index of New Zealand Archaeological Sites (CINZAS). The archaeological sites are identified, mapped, listed and described with sufficient information to facilitate their ongoing management, protection and preservation. Previous archaeological site surveys and excavations are described and more specific directions are provided for ongoing management.

Additional information is included within the report on other historic places within Manukau City. These have been identified through the ARC Regional Coastal Plan maritime CHI studies or they have been previously recorded within planning schemes, registers and lists. Appendices list bibliographic references, historic areas, buildings, objects, places, structures and trees of historic or landmark value.

Archaeological survey and site information is tabulated, graphed and illustrated on a series of computer generated maps.

Archaeological site survey within Manukau City has been limited to 7,545 hectares (ie. 10 % of the total area). Work has concentrated on the Manukau Harbour shoreline, the volcanic stonefields Mangere, East Tamaki and Manurewa, and the eastern coastline of the City on the Hauraki Gulf. 1,035 archaeological sites have been formally recorded within Manukau City since 1960. 982 of these are related to Maori occupation and resource use and range from findspots, where artefacts and human remains have been discovered, to shell middens (67% of all recorded sites), to complex earthworks which identify cooking areas, house sites, food storage structures and defended settlements. The other 53 sites are either associated with European artefacts, or relate to European occupation and resource use. They include missions stations, constabulary and military associated structures, house and homestead sites, stonework and earthworks which are frequently associated with early European farming activities, stone jetties and quarries, dams, mill sites and a shipwreck. Sites dating to historic times (ie. post 1769) are presently under-recorded.

The Manukau City CHI project provides an information base for ongoing work. The information will be invaluable in assessing whether or not proposed activities will impact on recorded sites, in initiating archaeological site surveys and cultural heritage assessments in areas proposed for development, and in providing a background to help understand Tangata Whenua relationships with taonga and wahi tapu.

The report does not identify Tangata Whenua relationships with the archaeological sites nor does it provide an historical overview. These elements of cultural heritage should be recognised and provided for in the future. The archaeological record provides only one part of the picture and is primarily related to physical structures and features; oral traditions and historic records need to be examined and related to

the archaeological evidence. Further research and consultation with Iwi, historic interest groups and the wider community will be necessary in order to help understand the relationship that they hold with these historic places and areas. This will allow the historic places, historic areas, wahi tapu and wahi tapu areas within Manukau City to be fully recognised and it will provide a sound foundation for their ongoing preservation, protection and management.

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11. RECOMMENDATIONS

To prevent further destruction and loss of cultural heritage in Manukau City efforts must be made to promote the ongoing development of the CHI. One objective should be the preservation and protection of a diverse and representative range of heritage resources. It is recommended:

That Manukau City Council initiate a regular programme of work to develop the existing Cultural Heritage Inventory (CHI) through consultation, research and the identification, evaluation, management and monitoring of historic places and areas

and

That Manukau City Council establish an ongoing consultation process with Tangata Whenua (a) to identify ancestral lands, water, sites, wahi tapu and other taonga, and (b) to determine a process for managing this information and the places and areas of significance.

While compiling the base inventory a number of gaps and deficiencies within the records have been identified. These are listed below and some suggestions are made to assist with the development of a regular work programme:

- (1) Areas not yet systematically surveyed for historic places and areas need to be covered (see Figure 14 blank areas "*not systematically surveyed*"). Development pressures can be used as a way of identifying priority areas for survey. For example, the areas proposed for quarrying and subdivision might be given a higher priority than areas that are not presently proposed for development;
- (2) Recorded archaeological sites need to be revisited regularly, monitored and information systematically upgraded (e.g. to note changes in their state or condition, threat of damage or destruction, location, land ownership and management, Tangata Whenua relationships, to provide a photographic record etc). Archaeological site survey dating to the 1970s is out of date and incomplete and existing information is sometimes limited. Accurate location information is a prerequisite for good management and planning and is not yet available for many archaeological sites;
- (3) Archaeological sites only identified from aerial photographs, or those which have only been informally reported or are considered doubtful, need to be field checked, and NZAA site record information upgraded in consultation with the NZAA Regional Filekeeper and the DOC Auckland office (see Figure 14 "*aerial photography survey cover*");
- (4) A systematic review of artefacts found within Manukau City would provide a useful addition to this archaeological site record based study. Private

collections of both Maori and European artefacts are known to exist, besides museum collections, and an inventory of these finds and their provenance should be completed (Section 2.4.5);

- (5) Human bones and burials have been found within Manukau City but the record is incomplete. More detailed research into police, museum and university records is required to obtain an accurate and more comprehensive picture (Section 2.4.7);
- (6) Shell midden sites, especially those within coastal locations, are under threat and are susceptible to erosion and damage from the sea and people. Some of these are worthy of further investigation and excavations should be undertaken, with the approval and involvement of Tangata Whenua, to retrieve information about old Maori occupation that will inevitably be lost (Section 4);
- (7) Remains of early European activities, which are under-recorded within Manukau City, should be examined and opportunities for the protection, preservation and presentation of specific sites and structures and features should be realised (Section 2.3.1);
- (8) Reported historic places and areas need to be field checked and recorded (Section 9);
- (9) Recorded, doubtful and reported historic places and areas need to be systematically evaluated for preservation and protection. Although there are 1,035 sites presently recognised within the Manukau City very few are registered, scheduled or listed (see Sections 2.3.2, 2.3.3 and 9);
- (10) Significant historic places and areas need to be scheduled in the Manukau City Plan using values and criteria contained within the Proposed Auckland Regional Policy Statement (1994 p.7-6) and the Historic Places Act 1993;
- (11) Historic places and areas should be reviewed for Registration under the Historic Places Act 1993 using a consistent approach;
- (12) An education programme needs to be developed to inform Manukau City Council employees and the general public of the cultural heritage that exists within the City. The Manukau City CHI report should be accessible to the public and an informative cultural heritage brochure based on this report might be produced;
- (13) Management plans for reserves with significant cultural heritage components should be reviewed and upgraded so that the historic values and their preservation and protection are promoted;
- (14) Tangata Whenua requests to have silent files containing sensitive traditional information should be examined. There are 990 recorded sites of that are of Maori origin in Manukau City. Presently there is very limited knowledge of the association and relationship Tangata Whenua have with these sites. It is important to appreciate that these places may not necessarily involve

physical structures, like the archaeological sites, but may be places of traditional importance that relate to ancestors or incidents in history; and

- (15) Qualified professional staff or consultants with relevant work experience should be employed, along with Iwi representatives, to undertake cultural heritage work including identification, recording, assessment, interpretation and management.

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FOOTNOTES

1. 'Wahi tapu' means a place sacred to Maori in traditional, spiritual, religious, ritual, or mythological sense and a 'wahi tapu area' means an area of land that contains one or more wahi tapu (see Historic Places Act 1993 s2).
2. Agnes Sullivan's PhD thesis was not completed. However, a number of unpublished and published reports have been produced from this research (see Sullivan n.d., 1985 and 1986).
3. The January 1985 edition of the NZHPT historic places inventory is sometimes more useful because the site numbers are displayed on the map next to the archaeological sites. This makes it easier to track back to the site record form information.
4. Archaeological sites are recorded within the NZAA Site File are identified using NZ Mapping Series map sheet numbers (eg. N42 or N43 for imperial maps and R11 or S11 for metric maps) and consecutive numbers (eg. 1, 2, 3...) prefixed by a slash (eg. R11/892). The site numbers are allocated by Regional File Keepers when record forms are first submitted. Those sites recorded before metrication have an imperial site number and a metric site number (eg. the imperial number for Mangere Mountain is N42/18 and the metric number is R11/26; see Figure 5). Sites recorded after metrication only have a metric site number (eg. R11/1728 to R11/1733 identify shell middens recorded on the banks of the Oruarangi Stream at Ihumatao Mangere; see Figure 5).
5. The numbers (R11 4.3) within this list identify the ARC 1:10,000 Aerial Photograph Prints and Cadastral Map Base Series numbers. They are more correctly identified by the notation SHEET R11-10,000/4.3 but have here been abbreviated.
6. For more background information on the history and development of the NZAA Site Recording Scheme refer to Davidson (Mar 1974) and Daniels (1979:5).
7. Bob (H.J.R.) Brown was familiar with the sites because he had researched the prehistoric geography of the Tamaki Isthmus in the early 1950s for a Masters thesis at the University of Auckland (see Brown 1954). He knew about the location of the Maori sites through having researched the Maori Land Court Records and local historic records (per. comm.). Through the 1960s he published a number of articles in the NZAA Newsletter focusing on the destruction, salvage and preservation of archaeological sites in Auckland (Brown Jun 1960, Jun 1961, Sep 1966 and Mar 1967).
8. Matanginui is also referred to as Greenmount or Green Hill. Within the archaeological literature it has also been identified as Matinginui (see Veart 1994). However, within this report Matanginui Green Mountain has been used to identify site R11/24 [N42/16].
9. The Kawakawa Bay-Miranda resource report referred to here is the first of a series prepared by Michael Elliot, Michael Simister and Marjorie Bacon for the Auckland Regional Authority (Apr 1972, Jan 1973, Jun 1974 and Mar 1976). The Auckland Institute and Museum, along with other organisations, provided information about the history and historic sites.
10. It was not possible to remove all interpretive statements from site descriptions because the SRFs do not provide any additional information about the structures and features present.
11. 'Modern' and 'historic' mean dating to European contact times (ie. Captain James Cook's visit of 1769).
12. For example, publications by Geoff Fairfield (1938), Albert Tonson (1962 and 1966) and Alan Taylor (refer to references) were used by Susan Bulmer in the 1970s to record places and areas on Puketutu Island, at Ihumatao, and in East Tamaki.

13. Site R11/318 was surface collected by Geoff Fairfield over the last 50 years (see NZAASRF and Fairfield 1992:35-41). Although the site produced over 200 adze roughouts and numerous stone flakes, only 2 flakes were recorded in August 1993 when the site was inspected by Michael Taylor for the ARC Regional Coastal Plan Maritime CHI project (see Taylor Sep 1993).
14. The doubt about structure and feature interpretation is not always clearly identified on site record forms. Surveyors sometimes identify 'possible' features, or alternatively, they use the words 'may be' or 'could be' in their site description and interpretation. Within the CHI NZAASRF archaeological site database, all these terms have been summarily defined as DOUBTFUL, a question-mark has been placed at the front of structure or feature where the doubt lies, and the word DOUBTFUL has been entered into the KEYWORDS field.
15. This total differs from that shown in Figure 15. This is because Figure 22 does not include all the stone artefacts finds.
16. See Roger Green's (1970) publication entitled A review of the Prehistoric Sequence in the Auckland Province for further discussion on phases (also refer to Green 1990 and Sutton 1990).
17. The background history to the scheduling of Maungataketake Ellett's Mountain has been comprehensively reported by Nugent (1978).
18. The names Matukurua, Matukutururu and Matukutueia have been used by a number of authors to identify Wiri Mountain, McLaughlin's Mountain, also referred to as Puhinui, and both mountains together (compare Graham n. d., Simmons 1980:18, Lawlor 1981:1 and Bulmer 1994:52). In this report Te Manurewa O Tamapahore is used to identify Wiri Mountain and Matukutueia is used to identify McLaughlin's Mountain. The mountains together are referred to as Matukurua. Maurice Wilson and Brownie Rauwhero of Waiohau recently confirmed that, according to traditional histories, Matukutueia is the name given to McLaughlin's Mountain and Matukurua relates to the wider area associated with McLaughlin's Mountain and Wiri Mountain (pers. comm.). The name Puhinui was used by the McLaughlin family for their homestead, now removed to the Howick Historical Village, the road that provided access to the farm and the general area including the stream adjacent to the stonefields. Nganeko Minhinnick (of Awaroa Ki Manuka) recently informed the authors that Wiri Mountain was known also as Te Manurewarewa O Tamapahore (pers. comm.).
19. The bulldozing of the Wiri Railway Quarry site (R11/1188) has been comprehensively covered within newspapers and on the National Radio programmes. See Smith (1 Mar 1995, 2 Mar 1995, 3 Mar 1995, 12 Apr 1995), Archer (9 Mar 1995), Macdonald (17 Mar 1995) and Metcalf (21 Mar 1995). Also refer to anonymous references dated 3 Mar 1993, 8 Mar 1995, 9 Mar 1995, 10 Mar 1995, 16 Mar 1995, 24 Mar 1995 and 3 Apr 1995).
20. The Allen's Road stonework and shell midden site, although recorded as site R11/1497, has not been formally recorded and entered into the NZAA Site Record Files (pers. comm. Brenda Sewell). A second site identified as R11/1518 has also been identified.
21. Ngati Paoa have subsequently carried out their own research and more recently worked with the Auckland Regional Council to identify places and areas of special value (refer to the ARC Proposed Regional Plan: Coastal 1995 (pp. 61 to 6-2) and Map 3 Sheet 1). Although this work relates specifically to the coastal marine area (ie. the zone below mean high water springs) and tauranga ika (fishing areas), tauranga waka (canoe landing sites) and wahi tapu (sacred places), it provides one model for ongoing work.

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LAWLOR, I.T.	12 Aug Thurlows Farm: Heritage Issues for 1992 Consideration in the MCC Draft Management Strategy. File 7/7/1/1, Environment Division, Auckland Regional Council, Auckland.	2270Y
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	5 Apr 1995	Minister Moves to Protect Wiri Stonefields. NEW ZEALAND HERALD	2293Y
	3 Apr 1995	Ancient Maori Stone Field at Wiri. Transcript of 2Y Mana News programme aired at 6.37am.	2294Y
ARCHER, M.	9 Mar 1995	Company Likely to Face Legal Action. MANUKAU COURIER	2295Y
	16 Mar 1995	Manukau City Council says there is an urgent need for Government to inject money into preserving historic sites... MANUKAU COURIER	2296Y
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AUCKLAND REGIONAL COUNCIL	28 Jun 1995	Agenda for the Meetings of the Regional Parks Committee of the Auckland Regional Council to be held	

REGIONAL PARKS
SERVICE

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2343N

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APPENDIX 3:

**SUMMARY LIST OF
ARCHAEOLOGICAL SITES
RECORDED IN MANUKAU
CITY (BY NZAA METRIC SITE
NUMBER)**



APPENDIX 3:

SUMMARY LIST OF

RECEIVED AND SENT

RECORDS OF THE

U.S. DEPARTMENT OF

ARMY

AUCKLAND REGIONAL COUNCIL CHI - ARCHAEOLOGICAL SITES
 Prepared for: Manukau City Council
 Location: Manukau City Summary List of Archaeological Sites
 Date: 21/07/95

NZMS1 SITE NO.	NZMS1 EASTING	GRID NORTHING	REF. SITE NUMBER	NZMS260 EASTING	GRID NORTHING	SITE DESCRIPTION	PC NO.
N42 15	241600	660800	R11 23	2679900	6481900	PA (HEADLAND)	5935
N42 16	241500	649800	R11 24	2679592	6471783	PA (VOLCANIC HILL)	2629
N42 17	236300	640700	R11 25	2674469	6463715	PA (VOLCANIC HILL)/ STONWORK	2630
N42 18	230100	648700	R11 26	2669208	6470920	PA (VOLCANIC HILL)	5936
N42 19	226700	646300	R11 27	2666066	6469175	PA (VOLCANIC HILL)	5937
N42 20	229000	645000	R11 28	2668016	6467901	PA (VOLCANIC HILL)	5938
N42 21	227600	644300	R11 29	2666772	6467195	PA (VOLCANIC HILL)	5939
N42 22	227300	644000	R11 30	2666461	6466957	PA (VOLCANIC HILL)/ GARDENS	5940
N42 23	226700	642900	R11 31	2665927	6466048	PA (VOLCANIC HILL)	5298
N42 24	237500	641700	R11 32	2675741	6464433	PA (VOLCANIC HILL)	2631
N42 26	235700	645300	R11 34	2674100	6467900	FINDSPOT (IMPLEMENTS) (REPORTED)	2892
N42 28	241200	648800	R11 36	2679587	6470966	PA (VOLCANIC HILL)	3992
N42 30	241800	656000	R11 38	2680000	6477500	PA (VOLCANIC HILL)	5299
N42 36	236900	640300	R11 44	2675105	6463288	SETTLEMENT (REPORTED)	3365
N42 37	232700	642300	R11 45	2671326	6465224	PA (HEADLAND)	5941
N42 38	234200	642800	R11 46	2672700	6465600	PITS (REPORTED)	3366
N42 39	235900	640700	R11 47	2674194	6463713	SETTLEMENT (REPORTED)	2975
N42 51	235100	643600	R11 59	2673588	6466422	PA (HEADLAND)	2636
N42 52	239400	645500	R11 60	2677500	6468000	FINDSPOT (IMPLEMENTS) (REPORTED)	2894
N42 57	228200	644500	R11 65	2667265	6467301	SETTLEMENT (REPORTED)	2977
N42 64	233000	644800	R11 71	2671600	6467500	SETTLEMENT (REPORTED)	5028
N42 66	227700	644500	R11 73	2666844	6467399	STONE WALLS	4934
N42 136	234500	644300	R11 141	2673000	6467000	PA (VOLCANIC HILL)	2665
N42 225	244800	651200	R11 221	2682600	6473000	PA	2671
N42 227	233300	641800	R11 223	2671771	6464696	MIDDEN (SHELL)	1187
N42 228	233100	641900	R11 224	2671656	6464808	MIDDENS (SHELL)	1188
N42 229	233300	642700	R11 225	2671934	6465669	MIDDENS (SHELL)	1189
N42 230	233100	642000	R11 226	2671661	6464950	PITS/ TERRACES	4001
N42 231	232900	641900	R11 227	2671578	6464911	MIDDEN (SHELL)	1190
N42 232	232800	642100	R11 228	2671419	6465077	MIDDENS (SHELL)	1191
N42 233	232700	642200	R11 229	2671360	6465089	MIDDENS (SHELL)/ ?HOUSE SITES/ TERRACES/ FINDSPOT (ARTEFACTS)/ BURIALS	1192
N42 234	232800	642200	R11 230	2671450	6465154	CHAPEL SITE (HISTORIC)	6619
N42 235	232700	642300	R11 231	2671399	6465283	SETTLEMENT	1193
N42 236	232800	642300	R11 232	2671459	6465333	MIDDENS (SHELL)/ ?PITS	1194
N42 237	232800	642400	R11 233	2671450	6465393	MIDDEN (SHELL)	1195
N42 238	232800	642400	R11 234	2671472	6465422	MIDDEN (SHELL)	1196
N42 239	233000	642500	R11 235	2671636	6465489	MIDDEN (SHELL)	1197
N42 240	233100	642300	R11 236	2671697	6465295	?HOUSE PLATFORM/ MIDDEN (SHELL)	5096
N42 241	233100	642500	R11 237	2671687	6465408	MIDDENS (SHELL)	1198
N42 242	233100	642500	R11 238	2671700	6465400	MIDDEN (SHELL)	1199
N42 243	233100	642600	R11 239	2671719	6465610	MIDDEN (SHELL)	1200
N42 244	233200	642600	R11 240	2671855	6465547	?PITS	3389
N42 245	233300	642700	R11 241	2671891	6465613	MIDDEN (SHELL)	1201
N42 246	231200	640900	R11 242	2670039	6464018	MIDDEN (SHELL)	1202
N42 247	231600	640800	R11 243	2670325	6463973	MIDDEN (SHELL)	1203
N42 248	231900	640900	R11 244	2670610	6463996	MIDDEN (SHELL)	1204
N42 249	232000	640800	R11 245	2670718	6463968	MIDDEN (SHELL)	1205
N42 250	232100	640500	R11 246	2670783	6463664	MIDDEN (SHELL)	1206
N42 251	232500	640300	R11 247	2671125	6463474	FINDSPOT (RED OCHRE)	4884
N42 252	232700	640200	R11 248	2671344	6463391	MIDDEN (SHELL)	1207
N42 253	233400	640400	R11 249	2671985	6463491	MIDDEN (SHELL)	1208
N42 254	233500	640500	R11 250	2671931	6463537	MIDDEN (SHELL)	1209
N42 255	233300	640500	R11 251	2671848	6463604	MIDDEN (SHELL)	1210
N42 256	233200	640600	R11 252	2671752	6463683	MIDDEN (SHELL)	1211
N42 257	233000	640500	R11 253	2671628	6463551	MIDDEN (SHELL)	1212
N42 258	233100	640500	R11 254	2671626	6463626	MIDDEN (SHELL)	1213
N42 259	233100	640600	R11 255	2671660	6463699	MIDDEN (SHELL)	1214
N42 260	232900	640600	R11 256	2671573	6463750	MIDDEN (SHELL)	1215
N42 261	232900	640600	R11 257	2671514	6463752	MIDDEN (SHELL)	1216
N42 262	232500	642500	R11 258	2671100	6465400	MIDDENS (SHELL)	1217

Sources: The New Zealand Archaeological Association Auckland Region Site
 File and the Department of Conservation Wellington Conservation
 Sciences Centre Archaeology Database.

AUCKLAND REGIONAL COUNCIL CHI - ARCHAEOLOGICAL SITES
 Prepared for: Manukau City Council
 Location: Manukau City Summary List of Archaeological Sites
 Date: 21/07/95

NZMS1 SITE NO.	NZMS1 EASTING	GRID NORTHING	REF. NORTHING	NZMS260 SITE NUMBER	NZMS260 EASTING	GRID NORTHING	REF. NORTHING	SITE DESCRIPTION	PC NO.
N42	263	232400	642500	R11 259	2671128	6465461		MIDDEN (SHELL)	1218
N42	264	232400	642600	R11 260	2671128	6465531		MIDDEN (SHELL) / POSTHOLE	1219
N42	265	232300	642600	R11 261	2671099	6465593		MIDDEN (SHELL)	1220
N42	266	232300	642600	R11 262	2671002	6465582		MIDDEN (SHELL)	1221
N42	267	232300	642700	R11 263	2670929	6465629		MIDDEN (SHELL)	1222
N42	268	232300	642700	R11 264	2670970	6465659		MIDDEN (SHELL)	1223
N42	269	232300	642900	R11 265	2670701	6465883		MIDDEN (SHELL)	1224
N42	270	231800	642900	R11 266	2670557	6465836		MIDDEN (SHELL)	1225
N42	271	231700	643000	R11 267	2670458	6465889		PITS/ PLATFORMS	3390
N42	272	231800	643000	R11 268	2670519	6465938		PITS/ MIDDEN (SHELL)	3391
N42	273	233400	641800	R11 269	2671986	6464813		MIDDEN (SHELL)	1226
N42	274	233700	641800	R11 270	2672268	6464849		MIDDEN (SHELL)	1227
N42	275	233500	641700	R11 271	2672080	6464697		PIT/ ?MIDDEN (SHELL)	3392
N42	276	233300	641500	R11 272	2671939	6464551		BURN LAYER	4885
N42	277	233400	644300	R11 273	2672000	6467000		MIDDEN (SHELL)	1228
N42	278	233400	641100	R11 274	2671949	6464138		MIDDENS (SHELL)	1229
N42	279	233600	641100	R11 275	2672182	6464134		MIDDEN (SHELL)	1230
N42	280	233700	641100	R11 276	2672305	6464195		MIDDEN (SHELL)	1231
N42	281	231900	642500	R11 277	2670640	6465458		MIDDEN (SHELL)	1232
N42	282	232100	642400	R11 278	2670773	6465413		MIDDEN (SHELL)	1233
N42	283	232100	642400	R11 279	2670846	6465479		MIDDEN (SHELL) / TERRACE	1234
N42	284	232200	642400	R11 280	2670927	6465476		MIDDEN (SHELL)	1235
N42	285	231900	642600	R11 281	2670599	6465636		MIDDEN (SHELL)	1236
N42	286	232900	642500	R11 282	2671518	6465457		MIDDEN (SHELL) / HOLE	1237
N42	287	233200	642600	R11 283	2671821	6465570		MIDDEN (SHELL)	1238
N42	288	232800	642000	R11 284	2671462	6465001		MIDDEN (SHELL)	1239
N42	290	236000	643700	R11 286	2674346	6466353		PA	2673
N42	314	246700	654400	R11 308	2684400	6475900		PA (HEADLAND)	5227
N42	315	245600	655400	R11 309	2683400	6476900		MIDDEN (SHELL)	1259
N42	316	246800	653500	R11 310	2684500	6475100		MIDDEN (SHELL)	1260
N42	317	246600	643400	R11 311	2684000	6465900		TERRACE/ PIT	4002
N42	318	246700	643400	R11 312	2684100	6465900		SETTLEMENT	3393
N42	322	249300	657200	R11 316	2686700	6478500		MIDDEN (SHELL)	1263
N42	325	241500	659600	R11 318	2679800	6480800		WORKING FLOOR (REPORTED)	4886
N42	326	241600	660100	R11 319	2679900	6481300		TERRACES/ MIDDEN (SHELL) (HISTORIC)	6261
N42	327	242800	657300	R11 320	2680900	6478700		FINDSPOT (MAURI STONE) (REPORTED)	2929
N42	328	241300	655700	R11 321	2679500	6477200		STONE (BOUNDARY) (REPORTED)	4887
N42	329	239700	655800	R11 322	2678000	6477200		BURIAL (REPORTED)	6802
N42	330	243600	657200	R11 323	2681700	6478600		MIDDEN (SHELL) / ?TERRACES	6262
N42	331	243900	657300	R11 324	2681900	6478600		PA (HEADLAND)	2675
N42	332	246000	655400	R11 325	2683800	6476900		PA (HEADLAND)	2676
N42	333	244200	655800	R11 326	2682200	6477100		REDOUBT (HISTORIC)	5722
N42	335	246800	653500	R11 328	2684500	6475100		FINDSPOT (CANOE HULL) (REPORTED)	2896
N42	336	246500	653000	R11 329	2684258	6474647		MIDDEN (SHELL) / TERRACE	6263
N42	337	247100	652400	R11 330	2684587	6473802		PA (RIDGE)	2677
N42	338	244100	648800	R11 331	2681900	6470700		TERRACES/ ?PITS	4003
N42	339	248600	650100	R11 332	2686000	6471900		MIDDEN (SHELL)	1266
N42	340	251000	649100	R11 333	2688200	6471000		PA (RIDGE)	2678
N42	341	248200	652100	R11 334	2685700	6473800		MIDDEN (SHELL) / TERRACES	6264
N42	342	248400	653300	R11 335	2685900	6474900		PA (HEADLAND)	2679
N42	343	248600	653600	R11 336	2686100	6475100		PA (HEADLAND)	2680
N42	344	250600	652800	R11 337	2687900	6474400		PLATFORM/ MIDDENS (SHELL)	1267
N42	345	247700	651200	R11 338	2685200	6473000		MIDDENS (SHELL)	1268
N42	346	248100	650800	R11 339	2685600	6472600		MIDDEN (SHELL)	1269
N42	347	248200	651800	R11 340	2685700	6473500		PA (HEADLAND)	2681
N42	348	248700	651000	R11 341	2686200	6472800		FIELD SYSTEM (REPORTED)	6391
N42	349	250200	656300	R11 342	2687700	6477600		MIDDEN (SHELL) / ?TERRACES	6265
N42	350	250200	655700	R11 343	2687600	6477000		MIDDEN (SHELL) / PIT	5491
N42	351	250300	655500	R11 344	2687700	6476800		MIDDEN (SHELL)	1270
N42	352	250100	654500	R11 345	2687600	6475900		TERRACES/ MIDDEN (SHELL AND HANGI STONES)	6266

Sources: The New Zealand Archaeological Association Auckland Region Site
 File and the Department of Conservation Wellington Conservation
 Sciences Centre Archaeology Database.

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N42	353	246700	653600	R11 346	2684400	6475200		PA (HEADLAND)	2682
N42	361	228300	645100	R11 353	2667402	6467974		AGRICULTURAL (REPORTED)	4888
N42	533	228000	648500	R11 507	2667200	6471000		MIDDEN (SHELL)/ FINDSPOT (ADZES)	1406
N42	534	229700	649800	R11 508	2668826	6472141		MIDDEN (SHELL) (HISTORIC)	1407
N42	535	228800	649600	R11 509	2667955	6472009		MIDDEN (SHELL)	1408
N42	560	240700	643300	R11 534	2678716	6465955		REDOUBT (HISTORIC)	5723
N42	561	238600	651100	R11 535	2676872	6473160		MISSION STATION (REPORTED)	5866
N42	567	227100	642500	R11 540	2666252	6465521		PA (CLIFFTOP) (REPORTED)	2690
N42	568	233400	642800	R11 541	2672042	6465761		KAINGA (REPORTED)	2985
N42	569	232700	643100	R11 542	2671339	6466011		VILLAGE (REPORTED)	2986
N42	570	226600	642800	R11 543	2665821	6465946		STONE WALL (REPORTED)	5164
N42	571	231700	643300	R11 544	2670400	6466200		VILLAGE (REPORTED)	2987
N42	572	226200	643200	R11 545	2665440	6466247		MISSION STATION (REPORTED)	5867
N42	573	226200	643000	R11 546	2665438	6466197		HOMESTEAD (REPORTED)	4911
N42	574	226200	643300	R11 547	2665553	6466282		VILLAGE (REPORTED)	4889
N42	575	233000	644100	R11 548	2671603	6466841		PA (HEADLAND) (REPORTED)	2691
N42	579	230200	649300	R11 552	2669200	6471700		VILLAGE (REPORTED)	2988
N42	580	226600	646600	R11 553	2665800	6469300		TERRACES/ PITS (REPORTED)	4006
N42	581	226300	646200	R11 554	2665600	6469000		TERRACES/ PITS (REPORTED)	4007
N42	582	225800	646800	R11 555	2665100	6469500		STONE ROWS/ MIDDEN (SHELL) (REPORTED)	4937
N42	583	225500	646200	R11 556	2664800	6469000		STONE ENCLOSURES (REPORTED)	4938
N42	584	226300	647200	R11 557	2665758	6465668		BURIAL (REPORTED)	6801
N42	585	225700	646900	R11 558	2665000	6469600		STONE ENCLOSURE (REPORTED)	4939
N42	586	226500	642500	R11 559	2665758	6465668		MIDDEN (SHELL) (REPORTED)	1429
N42	589	226700	642700	R11 560	2665986	6465734		STONE WALLS (REPORTED)	4940
N42	601	231900	644300	R11 570	2670609	6467080		MIDDEN (SHELL)	1431
N42	602	231900	644400	R11 571	2670699	6467135		MIDDEN (SHELL)	1432
N42	603	232000	644600	R11 572	2670805	6467382		MIDDEN (SHELL)	1433
N42	604	232000	644600	R11 573	2670770	6467287		TERRACES	4545
N42	605	235900	644500	R11 574	2674270	6467212		?TERRACES	4546
N42	606	228400	644600	R11 575	2667387	6467470		PA (RINGDITCH)	5228
N42	608	234200	642700	R11 577	2672658	6465608		MIDDEN (SHELL)/ ?TERRACES	1434
N42	609	233900	642800	R11 578	2672500	6465700		MIDDEN (SHELL)	1435
N42	610	233800	642800	R11 579	2672459	6465737		MIDDEN (SHELL)	1436
N42	611	233700	642600	R11 580	2672300	6465500		PIT/ TERRACES/ DEPRESSIONS	4009
N42	612	233600	642800	R11 581	2672290	6465668		MIDDEN (SHELL)	1437
N42	613	233600	642800	R11 582	2672237	6465701		MIDDEN (SHELL)	1438
N42	614	233600	642700	R11 583	2672100	6465600		TERRACES/ MIDDEN (SHELL)	6274
N42	615	233500	642800	R11 584	2672000	6465700		MIDDEN (SHELL)/ ?TERRACE	6275
N42	616	233700	642800	R11 585	2672300	6465700		MIDDEN (SHELL)	1439
N42	617	226800	646300	R11 586	2666000	6469000		STONES (BOUNDARY) (REPORTED)	4942
N42	618	226500	642600	R11 587	2665827	6465637		PITS (REPORTED)	3403
N42	619	227000	643000	R11 588	2666098	6465916		BURIALS (REPORTED)	6800
N42	623	233900	643400	R11 591	2672440	6466118		MIDDENS (SHELL)	1440
N42	624	233800	643500	R11 592	2672412	6466145		MIDDEN (SHELL)	1441
N42	625	233800	643500	R11 593	2672402	6466177		MIDDEN (SHELL)	1442
N42	626	233700	643500	R11 594	2672394	6466229		MIDDEN (SHELL)	1443
N42	627	233700	643600	R11 595	2672300	6466400		MIDDEN (SHELL)	1444
N42	628	233700	643700	R11 596	2672368	6466351		MIDDEN (SHELL)	1445
N42	629	233700	643800	R11 597	2672349	6466397		MIDDEN (SHELL)	1446
N42	630	233700	643800	R11 598	2672284	6466472		MIDDEN (SHELL)	1447
N42	631	233800	643800	R11 599	2672319	6466504		MIDDEN (SHELL)	1448
N42	632	233800	643900	R11 600	2672323	6466569		MIDDEN (SHELL)	1449
N42	633	233800	643900	R11 601	2672349	6466635		MIDDEN (SHELL)	1450
N42	634	233800	644000	R11 602	2672373	6466697		MIDDEN (SHELL)	1451
N42	635	233800	644000	R11 603	2672371	6466806		MIDDEN (SHELL)	1452
N42	636	233700	644100	R11 604	2672396	6466870		MIDDEN (SHELL)	1453
N42	637	233800	644200	R11 605	2672410	6466905		MIDDEN (SHELL)	1454
N42	638	233800	644200	R11 606	2672428	6466926		MIDDENS (SHELL)	1455
N42	639	233900	644300	R11 607	2672415	6466976		FIRE PIT	2462
N42	640	233900	644400	R11 608	2672422	6467004		MIDDEN (SHELL)	1456
N42	641	233900	643400	R11 609	2672513	6466194		MIDDEN (SHELL)/ TERRACE	6276

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 Date: 21/07/95

NZMS1 SITE NO.	NZMS1 EASTING	GRID NORTHING	REF. SITE NUMBER	NZMS260 EASTING	GRID NORTHING	SITE DESCRIPTION	PC NO.
N42 642	234000	643400	R11 610	2672572	6466238	MIDDEN (SHELL)	1457
N42 643	234100	643500	R11 611	2672637	6466265	MIDDENS (SHELL)	1458
N42 644	234200	643600	R11 612	2672685	6466274	PLATFORMS/ MIDDENS (SHELL)/ TERRACES	1459
N42 645	234300	643600	R11 613	2672726	6466279	MIDDEN (SHELL)	1460
N42 646	234400	643700	R11 614	2672787	6466342	MIDDEN (SHELL)	1461
N42 647	234400	643300	R11 615	2672738	6466200	MIDDEN (SHELL)	1462
N42 648	234500	643300	R11 616	2672927	6466118	MIDDEN (SHELL)	1463
N42 649	234500	643400	R11 617	2672990	6466135	MIDDEN (SHELL)	1464
N42 650	234600	643300	R11 618	2673014	6466104	MIDDEN (SHELL)/ TERRACES	6277
N42 651	234600	643200	R11 619	2673052	6465999	MIDDEN (SHELL)	1465
N42 652	234700	643300	R11 620	2673169	6466021	TERRACE/ MIDDEN (SHELL)/ PLATFORM	6278
N42 653	234700	643300	R11 621	2673204	6466040	MIDDEN (SHELL)/ TERRACE	6279
N42 654	234800	643400	R11 622	2673280	6466113	OLD SOIL	5020
N42 655	234800	643400	R11 623	2673373	6466257	MIDDEN (SHELL)	1466
N42 656	234800	643500	R11 624	2673449	6466318	MIDDEN (SHELL)	1467
N42 657	235000	643700	R11 625	2673432	6466385	MIDDEN (SHELL)	1468
N42 659	235200	643800	R11 626	2673516	6466504	OLD SOIL	5021
N42 660	234500	643800	R11 627	2672954	6466475	PLATFORMS	6847
N42 661	234600	643800	R11 628	2673105	6466531	PLATFORMS/ MIDDENS (SHELL)/ PITS	6846
N42 662	234600	643800	R11 629	2673124	6466468	TERRACES/ MIDDEN (SHELL)	6280
N42 663	234600	643700	R11 630	2673173	6466444	ROCK SHELTER/ MIDDEN (SHELL)	4836
N42 664	234600	643700	R11 631	2673193	6466480	ROCK SHELTER/ MIDDEN (SHELL)	4837
N42 665	234700	643800	R11 632	2673225	6466529	PITS/ MIDDEN (SHELL)	5493
N42 666	234800	643800	R11 633	2673300	6466500	MIDDEN (SHELL)/ CAVERN	4838
N42 667	234800	643900	R11 634	2673727	6466590	MIDDEN (SHELL)/ PITS/ ROCK SHELTER	4839
N42 668	234900	643900	R11 635	2673296	6466693	MIDDEN (SHELL)	1469
N42 669	234600	644100	R11 636	2673075	6466802	MIDDEN (SHELL)	1470
N42 670	234500	644100	R11 637	2673000	6466800	?BURIAL AREA (REPORTED)	6799
N42 671	234600	644200	R11 638	2673130	6466924	MIDDEN (SHELL)/ ?ROCK SHELTER	4840
N42 672	234500	644300	R11 639	2673105	6466988	MIDDEN (SHELL)/ PLATFORMS	6281
N42 673	234500	644400	R11 640	2673080	6467005	MIDDEN (SHELL)/ PLATFORMS	6282
N42 674	234400	644400	R11 641	2673003	6466993	MIDDEN (SHELL)	1471
N42 675	234400	643800	R11 642	2672901	6466522	MIDDEN (SHELL)	1472
N42 676	234400	643800	R11 643	2672859	6466525	MIDDEN (SHELL)	1473
N42 677	234300	643800	R11 644	2672828	6466533	MIDDENS (SHELL)	1474
N42 678	234300	643900	R11 645	2672836	6466571	MIDDEN (SHELL)/ LAVA CAVE	4841
N42 679	234300	643900	R11 646	2672800	6466600	MIDDEN (SHELL)	1475
N42 680	234300	644000	R11 647	2672809	6466645	MIDDENS (SHELL)	1476
N42 681	234200	643900	R11 648	2672752	6466638	LAVA CAVE/ MIDDEN (SHELL)	4842
N42 682	234300	644000	R11 649	2672817	6466683	MIDDEN (SHELL)	1477
N42 683	234200	644000	R11 650	2672766	6466674	MIDDEN (SHELL)	1478
N42 684	234200	644200	R11 651	2672694	6466775	TERRACES/ PITS	4010
N42 685	234300	644300	R11 652	2672812	6466973	PITS/ TERRACES/ MIDDEN (SHELL)	6048
N42 686	234600	644400	R11 653	2673101	6467166	PITS/ TERRACES/ MIDDEN (SHELL)	6049
N42 687	234900	644400	R11 654	2673434	6467112	?PITS/ TERRACES/ MIDDENS (SHELL)	6050
N42 688	235000	643900	R11 655	2673456	6466671	?TERRACE (REPORTED)	4547
N42 689	234800	644200	R11 656	2673382	6466898	?HABITATION/ OCCUPATION SITE	3003
N42 690	234200	643900	R11 657	2672706	6466597	PLATFORMS	4548
N42 691	234300	644100	R11 658	2672748	6466756	?GARDEN AREA	6392
N42 692	234300	644200	R11 659	2672788	6466873	?GARDEN AREA	6393
N42 693	234300	644300	R11 660	2672865	6466923	?GARDEN AREA	6394
N42 694	234400	644400	R11 661	2672911	6466963	?GARDEN AREA	6395
N42 695	234500	644500	R11 662	2672886	6467185	GARDEN AREA/ STONE WALLS	6396
N42 696	234600	644300	R11 663	2673100	6467000	?GARDEN AREA	6397
N42 697	234700	644400	R11 664	2673171	6467114	PLATFORM/ STONE WALL/ ?GARDEN AREA	6398
N42 698	234800	644400	R11 665	2673145	6467177	STONEWORK/ MIDDEN (SHELL)/ GARDEN AREA	6399
N42 699	234800	644300	R11 666	2673151	6467056	?GARDEN AREA	6400

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NZMS1 SITE NO.	NZMS1 EASTING	GRID NORTHING	REF. NORTHING	NZMS260 SITE NUMBER	NZMS260 EASTING	GRID NORTHING	REF. NORTHING	SITE DESCRIPTION	PC NO.
N42	700	234900	643900	R11 667	2673388	6466526		?GARDEN AREA	6401
N42	701	233900	643500	R11 668	2672400	6466300		?GARDEN AREA	6402
N42	702	246400	653300	R11 669	2684062	6474820		MIDDEN (SHELL)	1479
N42	712	234500	643800	R11 674	2673003	6466464		ROCK SHELTER	4843
N42	718	227900	648800	R11 678	2667228	6471369		PIT/ CAVE/ MIDDEN (SHELL)	5494
N42	719	228300	648800	R11 679	2667540	6471322		MIDDEN (SHELL)	1482
N42	720	228600	648800	R11 680	2667807	6471317		CAVE	4844
N42	722	228700	648700	R11 681	2667884	6471285		STONE MOUND (BASALT)	5100
N42	723	228600	648600	R11 682	2667804	6471178		CAVE	4845
N42	724	228600	648600	R11 683	2667847	6471197		PIT/ MIDDEN (SHELL)	5495
N42	725	228600	648600	R11 684	2667831	6471167		CAVE/ PIT	3404
N42	726	228500	648500	R11 685	2667740	6471119		CAVE/ MIDDEN (SHELL)	4846
N42	727	227800	648500	R11 686	2667131	6471149		MIDDEN (SHELL)	1483
N42	728	227900	648500	R11 687	2667173	6471156		CAVE/ MIDDEN (SHELL)	4847
N42	729	227900	648400	R11 688	2667162	6471121		CAVE/ MIDDEN (SHELL)	4848
N42	730	227900	648600	R11 689	2667182	6471229		CAVE/ MIDDEN (SHELL)	4849
N42	731	228000	648300	R11 690	2667270	6470899		MIDDEN (SHELL)	1484
N42	733	228900	648300	R11 691	2667904	6470882		OCCUPATION/ MIDDEN (SHELL)	6634
N42	734	228900	648300	R11 692	2667942	6470878		MIDDEN (SHELL)	1485
N42	735	228900	648300	R11 693	2667999	6470860		MIDDEN (SHELL)/ STONE WALL	5594
N42	736	228900	648400	R11 694	2668055	6470971		MIDDEN (SHELL)/ STONE ENCLOSURE	5595
N42	737	228800	648400	R11 695	2667999	6470976		MIDDEN (SHELL)	1486
N42	738	228700	648400	R11 696	2667915	6470972		MIDDEN (SHELL)/ STONE WALL	5596
N42	739	228700	648500	R11 697	2667901	6471060		STONE WALL/ MIDDEN (SHELL)	4943
N42	740	228800	648500	R11 698	2667966	6471075		MIDDEN (SHELL)	1487
N42	741	228800	648500	R11 699	2667994	6471107		MIDDEN (SHELL)	1488
N42	742	228800	648500	R11 700	2667996	6471049		STONE ENCLOSURE/ MIDDEN (SHELL)	5597
N42	743	228800	648500	R11 701	2668025	6471072		PLATFORM/ STONE ROW/ MIDDEN (SHELL)	4944
N42	744	228800	648500	R11 702	2668026	6471012		MIDDEN (SHELL)	1489
N42	745	228900	648300	R11 703	2668045	6470865		MIDDEN (SHELL)/ STONE MOUNDS/ STONE WALL	5598
N42	746	228900	648300	R11 704	2668064	6470907		MIDDEN (SHELL)/ STONE WALL	1490
N42	747	229100	648300	R11 705	2668216	6470843		MIDDEN (SHELL)/ STONE PILE	5101
N42	748	229100	648400	R11 706	2668182	6470934		STONE ALIGNMENT/ STONE PILES	4945
N42	749	229000	648400	R11 707	2668147	6470982		MIDDENS (SHELL)/ STONE PILES/ PITS	4946
N42	750	228900	648400	R11 708	2668095	6470991		MIDDEN (SHELL)	1491
N42	751	228900	648500	R11 709	2668100	6470966		MIDDEN (SHELL)/ STONE MOUNDS/ ?PIT	5587
N42	752	228900	648500	R11 710	2668084	6471056		MIDDEN (SHELL)/ STONE MOUNDS	5588
N42	753	228900	648600	R11 711	2668105	6471148		MIDDEN (SHELL)/ STONE PILE	5102
N42	754	228900	648700	R11 712	2668108	6471203		LAVA CAVE	4850
N42	755	228700	648600	R11 713	2667872	6471159		MIDDEN (SHELL)	1492
N42	756	228800	648600	R11 714	2668031	6471173		STONE MOUND/ MIDDEN (SHELL)	5589
N42	757	228800	648700	R11 715	2667976	6471220		STONE MOUND/ MIDDEN (SHELL)/ CAVE	5590
N42	758	227600	648700	R11 716	2666909	6471281		STONE ALIGNMENT	4947
N42	759	229300	648100	R11 717	2668445	6470626		MIDDEN (SHELL)	5591
N42	760	228800	647400	R11 718	2667944	6470264		STONE PILES	5103
N42	761	228800	647700	R11 719	2667967	6470410		STONE PILE/ MIDDEN (SHELL) (?HISTORIC)	5104
N42	762	229400	648000	R11 720	2668410	6470644		MIDDEN (SHELL)/ STONE PILES	1493
N42	763	229100	647800	R11 721	2668204	6470421		HOUSE SITE/ MIDDEN (SHELL)	6283
N42	764	229100	647900	R11 722	2668144	6470469		MIDDEN (SHELL)	1494
N42	765	228000	649100	R11 723	2667269	6471649		?FOUNDATION/ MIDDEN (SHELL)	4890
N42	766	227700	648700	R11 724	2667007	6471250		CAVES/ MIDDENS (SHELL)	4851
N42	767	227700	648600	R11 725	2666980	6471199		?BURIAL CAVE/ MIDDEN (SHELL)	6803
N42	768	227600	648600	R11 726	2666925	6471202		CAVE/ MIDDEN (SHELL)	4852
N42	769	227700	648500	R11 727	2666996	6471143		MIDDEN (SHELL)	1495
N42	770	227400	648700	R11 728	2666773	6471416		MIDDENS (SHELL)/ CAVE/ TRENCH/ STONE MOUNDS	1496
N42	771	227600	649300	R11 729	2666768	6471485		MIDDENS (SHELL)/ PITS	5496
N42	772	227800	649100	R11 730	2667171	6471429		MIDDEN (SHELL)/ PLATFORM	6284

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N42	773	227800	649500	R11	731	2666894	6471823	CAVE/ MIDDEN (SHELL)	4853
N42	774	227900	649500	R11	732	2667173	6471964	MIDDENS (SHELL)/ TERRACES	6285
N42	776	227500	649200	R11	733	2666967	6471933	HOUSE SITE/ MIDDEN (SHELL)	1497
N42	777	227800	649300	R11	734	2666944	6471687	MIDDEN (SHELL)	1498
N42	778	228100	649400	R11	735	2667276	6471933	MIDDEN (SHELL)/ PLATFORM	1499
N42	779	227600	649400	R11	736	2667069	6471924	MIDDEN (SHELL)/ FINDSPOT (OBSIDIAN)	1500
N42	780	227500	649300	R11	737	2666921	6471968	MIDDEN (SHELL)	1501
N42	781	228000	649400	R11	738	2667337	6472031	CAVE	4854
N42	782	227900	649500	R11	739	2667337	6472031	MIDDENS (SHELL)	1502
N42	783	227800	649400	R11	740	2667107	6471643	STONE WALL	4948
N42	784	229000	648800	R11	741	2667145	6471305	LAVA CAVE	4855
N42	785	228300	649200	R11	742	2667514	6471571	CAVE/ MIDDEN (SHELL)	4856
N42	786	229300	647700	R11	743	2668387	6470352	LIVING/ MIDDEN (SHELL)	6286
N42	787	229600	647800	R11	744	2668660	6470448	MIDDEN (SHELL)	1503
N42	788	229600	647900	R11	745	2668744	6470448	MIDDEN (SHELL)	1504
N42	789	229800	647900	R11	746	2668840	6470484	MIDDEN (SHELL)	1505
N42	790	229800	647900	R11	747	2668886	6470466	MIDDEN (SHELL)	1506
N42	791	229800	647900	R11	748	2668921	6470439	MIDDEN (SHELL)	1507
N42	792	230000	647600	R11	749	2669000	6470100	TERRACE	4549
N42	793	229900	647400	R11	750	2668943	6469957	PITS/ TERRACES	4011
N42	794	228900	648700	R11	751	2668064	6471208	MIDDEN (SHELL)	1508
N42	795	229700	647500	R11	752	2668781	6470163	MIDDENS (SHELL)	1509
N42	796	225700	646700	R11	753	2665027	6469311	STONE WALLS/ STONE PILES/ MIDDEN (SHELL)	4949
N42	797	225900	646600	R11	754	2665255	6469311	STONE WALLS/ MIDDEN (SHELL)	1510
N42	798	225800	646700	R11	755	2665205	6469520	STONE WALLS/ STONE PILES	4950
N42	799	226000	646500	R11	756	2665300	6469200	STONE WALLS/ STONE PILES	4951
N42	800	225500	646600	R11	757	2664800	6469300	MIDDEN (SHELL)/ STONE MOUND	5105
N42	801	225500	646500	R11	758	2664984	6469198	MIDDEN (SHELL)	1511
N42	802	225500	646300	R11	759	2664939	6469038	MIDDEN (SHELL)	1512
N42	803	225600	646100	R11	760	2665058	6468904	STONE MOUNDS/ MIDDEN (SHELL)	5106
N42	804	225700	646100	R11	761	2665194	6468949	MIDDENS (SHELL)	1513
N42	805	226100	645900	R11	762	2665346	6468812	MIDDEN (SHELL)	1514
N42	806	226300	646100	R11	763	2665651	6468928	MIDDEN (SHELL)	1515
N42	807	226200	646300	R11	764	2665500	6469000	PLATFORMS/ MIDDENS (SHELL)	6287
N42	808	227600	646000	R11	765	2666738	6468785	MIDDEN (SHELL)/ STONE ROW	1516
N42	809	227400	645900	R11	766	2666562	6468782	MIDDEN (SHELL)	1517
N42	810	225500	646800	R11	767	2664930	6469593	STONE WALKWAY	4952
N42	811	225300	646700	R11	768	2664795	6469429	STONE WALL	4953
N42	812	225300	646800	R11	769	2664761	6469455	PIT/ MIDDEN (SHELL)	5497
N42	813	225700	646700	R11	770	2665000	6469400	MIDDEN (SHELL)	1518
N42	814	227200	647100	R11	771	2666400	6469700	MIDDEN (SHELL)	1519
N42	815	226400	647000	R11	772	2665676	6469632	MIDDEN (SHELL)	1520
N42	816	226500	647000	R11	773	2665799	6469638	STONE WALL	4954
N42	817	226600	647000	R11	774	2665899	6469652	MIDDEN (SHELL)	1521
N42	818	226500	646000	R11	775	2665700	6468800	PLATFORM/ MIDDEN (SHELL)	6288
N42	819	226500	645700	R11	776	2665936	6468753	MIDDEN (SHELL)	1522
N42	820	226600	645700	R11	777	2665909	6468718	STONE ROWS	4955
N42	821	226600	645700	R11	778	2665909	6468718	PITS/ MIDDEN (SHELL)	5627
N42	822	226500	645700	R11	779	2665905	6468785	MIDDEN (SHELL)	1523
N42	823	226600	645700	R11	780	2665800	6468500	MIDDEN (SHELL)/ DEPRESSIONS/ STONE ROWS/ STONE PILES	4956
N42	824	226600	645700	R11	781	2665800	6468500	MIDDEN (SHELL)	1524
N42	825	226500	645700	R11	782	2665905	6468785	STONE WALL/ STONE PILE/ MIDDEN (SHELL)	4957
N42	826	226700	645800	R11	783	2665900	6468600	MIDDEN (SHELL)	1525
N42	827	226500	645600	R11	784	2665879	6468743	PITS/ MIDDEN (SHELL)	5498
N42	828	226600	646000	R11	785	2665800	6468800	MIDDEN (SHELL)	1526
N42	829	226500	645800	R11	786	2665700	6468600	MIDDEN (SHELL)	1527
N42	830	225800	647000	R11	787	2665100	6469700	STONE WALL/ MIDDEN (SHELL)	4958
N42	831	225800	647000	R11	788	2665253	6469677	STONE WALL/ MIDDEN (SHELL)	4959
N42	832	225800	646900	R11	789	2665267	6469570	MIDDEN (SHELL)	1528
N42	833	225700	646900	R11	790	2665154	6469622	MIDDEN (SHELL)	1529

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NZMS1 SITE NO.	NZMS1 EASTING	GRID NORTHING	REF. SITE NUMBER	NZMS260 EASTING	GRID NORTHING	SITE DESCRIPTION	PC NO.
N42 834	225700	646900	R11 791	2665154	6469616	STONE HEAP	5107
N42 835	225700	646900	R11 792	2665000	6469600	STONE CIRCLE/ STONE WALL/ HEAP	5108
N42 836	225700	646900	R11 793	2665000	6469600	STONE WALLS	4960
N42 837	225800	646900	R11 794	2665267	6469570	STONE WALL	4961
N42 838	225800	646900	R11 795	2665267	6469570	STONE WALL	4962
N42 839	225800	646900	R11 796	2665267	6469570	STONE HEAP/ STONE ROW	5109
N42 840	225600	646900	R11 797	2665057	6469598	ROCK SHELTER/ MIDDEN (SHELL)	4857
N42 841	225800	646800	R11 798	2665100	6469500	STONE HEAP	5110
N42 842	225800	646800	R11 799	2665266	6469499	STONE HEAP	5111
N42 843	226400	647100	R11 800	2665650	6469751	MIDDEN (SHELL)	1530
N42 844	225900	646800	R11 801	2665337	6469510	STONE WALL	4963
N42 845	226400	647000	R11 802	2665700	6469700	MIDDEN (SHELL)	1531
N42 846	225100	647000	R11 803	2664563	6469633	STONE WALL/ STONE ENCLOSURE	4964
N42 847	225100	647100	R11 804	2664551	6469909	MIDDEN (SHELL)	1532
N42 848	225100	646900	R11 805	2664616	6469649	MIDDEN (SHELL)	1533
N42 849	225500	646600	R11 806	2664800	6469300	STONE WALLS	4965
N42 850	232400	642600	R11 807	2671000	6465500	MIDDEN (SHELL)	1534
N42 851	232300	642600	R11 808	2670900	6465500	MIDDEN (SHELL)	1535
N42 852	232300	642700	R11 809	2670900	6465600	MIDDEN (SHELL)	1536
N42 853	232100	642800	R11 810	2670800	6465700	MIDDEN (SHELL)	1537
N42 854	231500	644300	R11 811	2670258	6467163	TERRACES	4550
N42 855	233000	643600	R11 812	2671809	6466410	MIDDEN (SHELL)	1538
N42 856	233100	643100	R11 813	2671741	6466005	MIDDEN (SHELL)	1539
N42 857	233700	643300	R11 814	2672256	6466188	MIDDEN (SHELL)	1540
N42 858	233600	643400	R11 815	2672247	6466291	MIDDEN (SHELL)	1541
N42 859	238000	649400	R11 816	2676338	6471444	PITS (REPORTED)	3405
N42 860	229300	648100	R11 817	2668484	6470541	MIDDEN (SHELL)/ PITS	1542
N42 861	229400	647900	R11 818	2668498	6470505	MIDDEN (SHELL)/ STONE MOUNDS	1543
N42 862	229300	648100	R11 819	2668396	6470730	PLATFORMS/ MIDDENS (SHELL)	6289
N42 863	227500	648600	R11 820	2666870	6471227	CAVES/ MIDDENS (SHELL)	4858
N42 864	227600	649200	R11 821	2666796	6471543	PLATFORM/ MIDDEN (SHELL)	6290
N42 865	227700	649300	R11 822	2666864	6471686	LAVA CAVE/ MIDDEN (SHELL)	4859
N42 866	227600	649300	R11 823	2666813	6471633	MIDDEN (SHELL)/ OVENS	4779
N42 867	231800	644300	R11 824	2670663	6467051	TERRACES	6291
N42 875	253000	643200	R11 832	2689900	6465500	FINDSPOT (MOA BONES) (REPORTED)	4891
N42 877	240500	650000	R11 834	2678550	6472106	MIDDEN (SHELL)	1550
N42 878	240500	650000	R11 835	2678550	6472106	MIDDEN (SHELL)	1551
N42 879	240500	650100	R11 836	2678550	6472106	STONE PILES	4881
N42 880	240200	650100	R11 837	2678381	6472217	CAVE	4860
N42 881	240400	650100	R11 838	2678601	6472188	STONE WALL (EUROPEAN)	5165
N42 886	227100	644300	R11 843	2666200	6467200	TERRACES/ STONE WALLS	4966
N42 887	225700	646500	R11 844	2665105	6469243	STONE WALL/ STONE PILES	4967
N42 888	225600	646400	R11 845	2665011	6469128	STONE WALLS/ STONE PILES/ MIDDEN (SHELL)	4968
N42 889	227400	642300	R11 846	2666489	6465360	PA (RINGDITCH)	5229
N42 890	227900	641900	R11 847	2666945	6465044	PA	5230
N42 891	227600	642200	R11 848	2666702	6465229	MIDDEN (SHELL)	1556
N42 892	227000	642500	R11 849	2666141	6465506	MIDDEN (SHELL)	1557
N42 893	231800	644500	R11 850	2670603	6467396	PITS	5628
N42 894	231800	644300	R11 851	2670942	6466902	MIDDEN (SHELL)	1558
N42 895	232300	644100	R11 852	2670968	6466886	MIDDEN (SHELL)	1559
N42 896	232600	642800	R11 853	2671247	6465852	MIDDEN (SHELL)	1560
N42 897	232600	642800	R11 854	2671293	6465806	MIDDEN (SHELL)	1561
N42 898	232200	643900	R11 855	2670868	6466795	MIDDEN (SHELL)	1562
N42 899	232200	643700	R11 856	2670863	6466563	MIDDEN (SHELL)	1563
N42 900	232600	642800	R11 857	2671328	6465843	OVEN/ MIDDEN (SHELL)	4780
N42 901	232900	643000	R11 858	2671528	6465955	PLATFORM	4552
N42 902	227700	642100	R11 859	2666925	6465184	TERRACES/ MIDDENS (SHELL)	6292
N42 903	227700	642000	R11 860	2666808	6465139	MIDDEN (SHELL)	1564
N42 905	236700	647800	R11 862	2675100	6470100	STORE/ WHARF	5769
N42 907	227000	643900	R11 864	2666133	6466952	STONE WALLS/ MIDDENS (SHELL)/ CULTIVATIONS	4969
N42 934	239100	650400	R11 891	2677359	6472429	MIDDEN (SHELL)	1583
N42 935	239200	650400	R11 892	2677409	6472409	MIDDEN (SHELL)	1584

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N42	936	239000	650400	R11 893	2677346	6472486		MIDDEN (SHELL)	1585
N42	937	238800	650600	R11 894	2677053	6472693		MIDDEN (SHELL)	1586
N42	938	238700	650700	R11 895	2677001	6472750		MIDDEN (SHELL)	1587
N42	939	238800	650400	R11 896	2677146	6472510		MIDDEN (SHELL)	1588
N42	940	238900	650400	R11 897	2677249	6472433		MIDDEN (SHELL)	1589
N42	943	246400	642400	R11 900	2683800	6465000		TERRACES	4553
N42	948	237300	640100	R11 902	2675507	6463107		MIDDEN (SHELL)	1591
N42	949	237200	640100	R11 903	2675410	6463106		MIDDEN (SHELL)	1592
N42	950	237900	641000	R11 904	2675972	6463890		PIT/ TERRACES	4014
N42	951	235800	640000	R11 905	2674100	6463000		PITS	5632
N42	952	235800	640000	R11 906	2674100	6463000		PITS/ TERRACES	3406
N42	953	235800	640100	R11 907	2674194	6463100		PITS/ MOUND	5633
N42	954	235800	640100	R11 908	2674143	6463133		PIT	3407
N42	955	235700	640200	R11 909	2674133	6463191		MIDDEN (SHELL)	1593
N42	956	235700	640200	R11 910	2674070	6463221		TERRACES	4554
N42	957	235700	640200	R11 911	2674217	6463152		STONE CAUSEWAY/ STONE FISH TRAPS	5092
N42	994	237800	649500	R11 927	2676320	6471737		MIDDEN (SHELL)	1604
N42	995	237900	649600	R11 928	2676370	6471787		MIDDEN (SHELL)	1605
N42	996	238000	649600	R11 929	2676420	6471830		MIDDEN (SHELL)	1606
N42	997	238300	649800	R11 930	2676705	6471976		MIDDEN (SHELL)	1607
N42	998	238400	649800	R11 931	2676769	6471982		MIDDEN (SHELL)	1608
N42	999	238400	649800	R11 932	2676825	6471977		MIDDEN (SHELL)	1609
N42	1000	238500	649800	R11 933	2676878	6472040		MIDDEN (SHELL)	1610
N42	1001	238500	649900	R11 934	2676929	6472140		MIDDEN (SHELL)	1611
N42	1002	238600	650000	R11 935	2677041	6472144		MIDDEN (SHELL)	1612
N42	1003	238700	650000	R11 936	2677019	6472212		MIDDEN (SHELL)	1613
N42	1004	238500	650000	R11 937	2676932	6472238		MIDDEN (SHELL)	1614
N42	1005	238500	650100	R11 938	2676927	6472281		MIDDEN (SHELL)	1615
N42	1006	238600	650100	R11 939	2676993	6472318		MIDDEN (SHELL)	1616
N42	1007	238700	650100	R11 940	2677106	6472310		MIDDEN (SHELL)	1617
N42	1008	238900	650200	R11 941	2677148	6472324		MIDDEN (SHELL)	1618
N42	1009	238900	650200	R11 942	2677298	6472394		MIDDEN (SHELL)	1619
N42	1010	239000	650200	R11 943	2677362	6472388		MIDDEN (SHELL)	1620
N42	1011	238600	651000	R11 944	2676995	6473150		MIDDEN (SHELL)	1621
N42	1012	238600	651000	R11 945	2677024	6473138		MIDDEN (SHELL)	1622
N42	1013	238700	651000	R11 946	2677053	6473128		MIDDEN (SHELL)	1623
N42	1014	238700	651100	R11 947	2677104	6473113		MIDDEN (SHELL)	1624
N42	1015	238800	651100	R11 948	2677142	6473079		MIDDEN (SHELL)	1625
N42	1031	240200	651200	R11 949	2678340	6473208		STONE JETTY/ MIDDEN (SHELL)	5770
N42	600	231700	644400	R11 959	2670572	6467145		MIDDEN (SHELL)/ TERRACE	1629
N42	658	235100	643800	R11 960	2673458	6466452		MIDDEN (SHELL)	1630
N42	775	227500	649300	R11 962	2666776	6471815		OCCUPATION/ MIDDEN (SHELL)	1631
N46	193	241600	636900	R11 994	2679417	6460049		PA (HEADLAND)	2700
N46	194	241800	636900	R11 995	2679483	6460115		MIDDEN (SHELL)	1650
N46	285	236100	639900	R11 996	2674412	6462996		MIDDEN (SHELL)	1651
N46	286	236000	639900	R11 997	2674314	6462987		MIDDEN (SHELL)	1652
N46	287	235900	639900	R11 998	2674240	6463006		MIDDEN (SHELL)/ ?PITS/ STONE HEARTH	5398
N46	288	235800	639900	R11 999	2674190	6463002		MIDDEN (SHELL)	1653
N46	289	236600	639600	R11 1000	2674803	6462673		MIDDEN (SHELL)	1654
N46	290	236600	639600	R11 1001	2674851	6462696		MIDDEN (SHELL)	1655
N46	291	236600	639600	R11 1002	2674897	6462680		MIDDEN (SHELL)	1656
N46	292	236600	639700	R11 1003	2674943	6462786		MIDDEN (SHELL)	1657
N46	293	236600	639700	R11 1004	2674964	6462786		MIDDEN (SHELL)	1658
N46	294	236900	639500	R11 1005	2679483	6460115		MIDDEN (SHELL)	1659
N46	295	236900	639500	R11 1006	2675195	6462568		MIDDEN (SHELL)	1660
N46	296	237000	639500	R11 1007	2675214	6462541		MIDDEN (SHELL)	1661
N46	297	237000	639400	R11 1008	2675234	6462500		MIDDEN (SHELL)	1662
N46	298	237000	639500	R11 1009	2675238	6462463		MIDDEN (SHELL)	1663
N46	299	237000	639200	R11 1010	2675259	6462347		MIDDEN (SHELL)	1664
N46	300	237000	639200	R11 1011	2675250	6462316		MIDDEN (SHELL)	1665
N46	301	236900	639100	R11 1012	2675234	6462289		MIDDEN (SHELL)	1666
N46	302	236900	639100	R11 1013	2675161	6462243		MIDDEN (SHELL)	1667

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N46	303	236900	639100	R11 1014	2675186	6462230		MIDDEN (SHELL)	1668
N46	304	236900	639100	R11 1015	2675213	6462240		MIDDEN (SHELL)	1669
N46	305	236900	639100	R11 1016	2675224	6462206		MIDDEN (SHELL)	1670
N46	306	237000	639000	R11 1017	2675253	6462191		MIDDEN (SHELL)	1671
N46	307	237000	639000	R11 1018	2675219	6462088		MIDDEN (SHELL)	1672
N46	308	236900	638900	R11 1019	2675191	6462051		MIDDEN (SHELL)	1673
N46	309	236900	638900	R11 1020	2675164	6462018		MIDDEN (SHELL)	1674
N46	310	236900	638900	R11 1021	2675098	6462019		MIDDEN (SHELL)	1675
N46	311	236800	638800	R11 1022	2675044	6461993		MIDDEN (SHELL)	1676
N46	312	235900	639700	R11 1023	2674209	6462760		MIDDEN (SHELL)	1677
N46	313	237300	639500	R11 1024	2675438	6462592		MIDDEN (SHELL)	1678
N46	314	237200	639600	R11 1025	2675421	6462618		MIDDEN (SHELL)	1679
N46	315	237200	639600	R11 1026	2675436	6462693		MIDDEN (SHELL)	1680
N46	316	237200	639600	R11 1027	2675463	6462690		MIDDEN (SHELL)	1681
N46	317	237200	639600	R11 1028	2675445	6462666		MIDDEN (SHELL)	1682
N46	318	237200	639700	R11 1029	2675365	6462689		MIDDEN (SHELL)	1683
N46	319	237300	639300	R11 1030	2675543	6462400		MIDDEN (SHELL)	1684
N46	320	237300	639300	R11 1031	2675520	6462386		MIDDEN (SHELL)	1685
N46	321	237300	639100	R11 1032	2675533	6462204		MIDDEN (SHELL)	1686
N46	322	237400	639200	R11 1033	2675559	6462304		MIDDEN (SHELL)	1687
N46	323	237100	638700	R11 1034	2675357	6461901		MIDDEN (SHELL) / TERRACE	6298
N46	332	238300	638300	R11 1035	2676336	6461404		PIT	5634
N46	333	237500	638100	R11 1036	2675660	6461306		PITS	5394
N46	334	237500	638600	R11 1037	2675638	6461700		PITS	3413
N46	335	237300	639200	R11 1038	2675539	6462324		MIDDEN (SHELL)	1688
N46	336	237300	637600	R11 1039	2675456	6460918		MIDDEN (SHELL)	1689
N46	337	237400	637400	R11 1040	2675561	6460649		MIDDEN (SHELL)	1690
N46	339	237400	638400	R11 1041	2675552	6461520		?TERRACES	5502
N46	341	238800	636900	R11 1042	2676685	6460146		MIDDEN (SHELL)	1691
N46	342	238900	637200	R11 1043	2676814	6460385		MIDDEN (SHELL)	1692
N46	343	239000	637500	R11 1044	2676905	6460683		MIDDENS (SHELL)	1693
N46	344	238700	637200	R11 1045	2676725	6460395		PIT	5701
N46	345	239200	637400	R11 1046	2677068	6460595		MIDDEN (SHELL)	1694
N46	346	240100	637700	R11 1047	2677917	6460769		PIT	5635
N46	347	240200	637500	R11 1048	2678018	6460557		MIDDEN (SHELL)	1695
N46	348	240400	637200	R11 1049	2678261	6460396		MIDDEN (SHELL)	1696
N46	353	239500	636800	R11 1050	2677401	6459978		MIDDEN (SHELL)	1697
N42	721	228600	648600	R11 1056	2667840	6471184		STONE MOUND (BASALT) / CAVE	5592
N42	732	228700	648600	R11 1057	2667877	6471239		MIDDEN (SHELL) / CAVE / MOUND	1698
N42	1096	234700	642900	R11 1091	2673082	6465750		PITS / MIDDEN (SHELL)	5504
N42	1110	231400	644400	R11 1105	2670294	6467249		MIDDEN (SHELL)	1703
N42	1111	231600	644200	R11 1106	2670432	6467088		MIDDEN (SHELL)	1704
N42	1112	231600	644100	R11 1107	2670437	6467126		DEPRESSIONS	3416
N42	1113	231700	644600	R11 1108	2670515	6467487		MIDDEN (SHELL)	1705
N42	1114	231950	644200	R11 1109	2670718	6467102		BURIAL / MIDDEN (SHELL)	6798
N42	1115	233600	643700	R11 1110	2672232	6466618		DEPRESSION / MIDDEN (SHELL)	5506
N42	1116	233900	643200	R11 1111	2672475	6466038		MIDDEN (SHELL)	1706
N42	1117	234400	641100	R11 1112	2672904	6466012		MIDDEN (SHELL)	1707
N42	1118	228600	648600	R11 1113	2667847	6471197		CAVE / MIDDEN (SHELL)	4862
N42	1119	234600	641100	R11 1114	2673098	6465798		MIDDEN (SHELL)	1708
N42	1120	234600	641100	R11 1115	2673139	6465804		MIDDEN (SHELL)	1709
N42	1121	234500	641100	R11 1116	2673045	6465880		MIDDEN (SHELL) / PLATFORM	1710
N42	1122	234800	641100	R11 1117	2673244	6465709		PITS	5636
N42	1135	228700	648400	R11 1121	2667865	6470955		STONE HEAP / MIDDEN (SHELL)	5112
N42	1136	228700	648400	R11 1122	2667911	6471011		STONE HEAP	5113
N42	1137	228700	648400	R11 1123	2667851	6470973		STONE HEAP	5114
N42	1138	228700	648400	R11 1124	2667847	6470952		STONE HEAP	5115
N42	1139	228700	648300	R11 1125	2667943	6470765		STONE ROW / TERRACE	5116
N42	1140	228700	648300	R11 1126	2667973	6470784		STONE HEAP	5117
N42	1141	228700	648300	R11 1127	2667973	6470804		STONE HEAP	5118
N42	1142	228700	648300	R11 1128	2667953	6470791		STONE HEAP	5119
N42	1143	228800	648200	R11 1129	2668022	6470710		STONE ROW	4971
N42	1144	228700	648200	R11 1130	2667978	6470698		STONE ROW	4972
N42	1145	228800	648100	R11 1131	2667999	6470652		PLATFORM	5097

Sources: The New Zealand Archaeological Association Auckland Region Site
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AUCKLAND REGIONAL COUNCIL CHI - ARCHAEOLOGICAL SITES
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NZMS1 SITE NO.	NZMS1 EASTING	GRID NORTHING	REF. SITE NUMBER	NZMS260 EASTING	GRID NORTHING	SITE DESCRIPTION	PC NO.
N42 1224	236700	641600	R11 1187	2675684	6464751	STONework	5120
N42 1225	237500	641800	R11 1188	2675684	6464751	STONework	5121
N42 1260	233100	644100	R11 1191	2671700	6466900	MIDDEN (SHELL)	1755
N42 1261	233100	644100	R11 1192	2671700	6466900	MIDDEN (SHELL)	1756
N42 1262	233300	644100	R11 1193	2671900	6466900	MIDDEN (SHELL)/ BANK (EARTH)	1757
N42 1263	244900	654300	R11 1194	2682800	6475900	WELL (REPORTED)	5828
N42 1655	239600	654500	R11 1258	2677900	6476200	MIDDEN (SHELL)	1788
N46 408	241700	636900	R11 1259	2679483	6460115	MIDDEN (SHELL)	1789
N46 406	237300	637800	R11 1260	2675404	6461034	MIDDEN (SHELL)	1790
N42 1198	240800	651100	R11 1263	2679006	6473461	FLAKING FLOOR/ STONE JETTY/ QUARRY (HISTORIC)	5772
N42 1063	227300	644300	R11 1282	2666617	6466260	TERRACE/ MIDDEN (SHELL)	6304
N42 1064	227200	644200	R11 1283	2666437	6467194	STONE HEAP/ MIDDEN (SHELL)	1797
N42 1065	227200	644400	R11 1284	2666454	6467393	TERRACE/ PITS/ MIDDEN (SHELL)	6052
N42 1066	226700	644300	R11 1285	2666049	6467304	STONE ROWS/ STONE WALLS/ TERRACES/ MIDDEN (SHELL)	6305
N42 1067	226700	644300	R11 1286	2666049	6467304	TERRACES/ MIDDEN (SHELL)	6306
N42 1068	226900	644500	R11 1287	2666158	6467398	TERRACES/ MIDDEN (SHELL)/ STONE WALL	6307
N42 1069	226800	644200	R11 1288	2666166	6467211	STONE WALLS/ STONework	4973
N42 1070	226900	644300	R11 1289	2666166	6467211	STONE WALL/ MIDDEN (SHELL)	4974
N42 1071	227200	644000	R11 1290	2666383	6466980	STONE WALL (HISTORIC)/ MIDDEN (SHELL)	1798
N42 1072	227500	644400	R11 1291	2666743	6467406	STONE HEAP	5122
N42 1073	227300	644800	R11 1292	2666582	6467779	STONE WALLS/ MIDDEN (SHELL)	4975
N42 1074	227500	644700	R11 1293	2666655	6467508	STONE WALLS/ MIDDEN (SHELL)	4976
N42 1075	227500	644700	R11 1294	2666700	6467600	STONE WALLS/ STONE HEAPS	4977
N42 1149	227380	644330	R11 1296	2666500	6467300	TERRACE/ MIDDEN (SHELL)	6308
N42 1150	227400	644200	R11 1297	2666500	6467100	TERRACE/ MIDDEN (SHELL)/ STONE ROW	6309
N42 1151	227350	644500	R11 1298	2666543	6467403	TERRACES/ MIDDENS (SHELL)/ STONE WALLS	4978
N42 1152	227170	644160	R11 1299	2666300	6467100	MIDDEN (SHELL)/ STONE WALL/ STONE PLATFORM/ STONE ENCLOSURE	4979
N42 1153	227180	644380	R11 1300	2666400	6467300	PITS/ MIDDEN (SHELL)/ TERRACE/ STONE WALLS	3431
N42 1203	241200	650600	R11 1301	2679385	6472860	STONE MOUNDS/ STONE WALLS	5123
N42 1204	241700	650600	R11 1302	2679731	6472613	STONE WALL/ STONE MOUNDS	4980
N42 1076	227300	644200	R11 1303	2666625	6467085	STONE PILES	5124
N42 1154	227000	644300	R11 1314	2666200	6467200	STONE WALLS/ STONE ENCLOSURE	4981
N42 1155	227060	644350	R11 1315	2666200	6467300	STONE WALLS/ TERRACE/ MIDDEN (SHELL)/ PITS/ MOUND	4982
N42 1156	227250	644240	R11 1316	2666400	6467200	STONE PILE/ MIDDEN (SHELL)	5125
N42 1157	226820	644330	R11 1317	2666000	6467300	TERRACE/ MIDDEN (SHELL)	6311
N42 1158	227200	644300	R11 1318	2666400	6467200	TERRACES/ MIDDEN (SHELL)	6312
N42 1159	227200	644600	R11 1319	2666445	6467411	TERRACE/ PITS/ MIDDEN (SHELL)	6053
N42 1160	227000	644300	R11 1320	2666246	6467213	STONE PILES/ MIDDEN (SHELL)/ STONework	5126
N42 1161	227100	644500	R11 1321	2666370	6467412	TERRACE/ STONE WALL/ MIDDEN (SHELL)	6313
N42 1162	227600	644400	R11 1322	2666700	6467300	STONework/ MIDDEN (SHELL)/ TERRACES/ BURIAL CAVE (REPORTED)	5127
N42 1163	228300	645000	R11 1323	2667387	6467937	MIDDEN (SHELL)	1804
N42 1164	228200	644700	R11 1324	2667300	6467500	MIDDEN (SHELL)	1805
N42 1165	228100	644700	R11 1325	2667200	6467600	MIDDEN (SHELL)	1806
			R11 1326	2666593	6467873	TERRACES/ STONE PILES/ MIDDEN (SHELL)/ PITS/ BURIAL CAVES (REPORTED)	6728
N42 1167	228200	644800	R11 1327	2667300	6467600	MIDDEN (SHELL)	1807
N42 1168	228300	644700	R11 1328	2667300	6467500	MIDDEN (SHELL)	1808
N42 1169	226400	643800	R11 1329	2665767	6467082	STONework/ MIDDENS (SHELL)/ TERRACES	4983
N42 1170	226800	644200	R11 1330	2666000	6467100	STONework	4984

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AUCKLAND REGIONAL COUNCIL CHI - ARCHAEOLOGICAL SITES
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NZMS1 SITE NO.	NZMS1 EASTING	GRID NORTHING	REF. NORTHING	NZMS260 SITE NUMBER	NZMS260 EASTING	GRID NORTHING	REF. NORTHING	SITE DESCRIPTION	PC NO.
N42 1171	226900	644200		R11 1331	2666100	6467100		STONE WALL/ MIDDEN (SHELL)/ CULTIVATION AREA	4985
N42 1172	226880	644320		R11 1332	2666100	6467300		STONE WALL (HISTORIC)/ MIDDEN (SHELL)	4986
N42 1173	226800	644300		R11 1333	2666100	6467200		TERRACE/ MIDDEN (SHELL)	6314
N42 1174	226700	644300		R11 1334	2666000	6467300		TERRACES/ MIDDEN (SHELL)/ KARAKA/ STONE PILES	6315
N42 1175	226700	644300		R11 1335	2666057	6467292		TERRACES/ MIDDEN (SHELL)	6316
N42 1176	226600	644500		R11 1336	2665943	6467413		TERRACES/ ?STONE PLATFORM/ KARAKA/ MIDDEN (SHELL)	6317
N42 1177	226700	644300		R11 1337	2666049	6467304		TERRACES/ MIDDEN (SHELL)	6318
N42 1178	226700	644500		R11 1338	2666063	6467497		MIDDEN (SHELL)	1809
N42 1179	226900	644500		R11 1339	2666158	6467409		TERRACES/ MIDDEN (SHELL)/ STONE WALL/ MOUND	6319
N42 1180	227200	644100		R11 1340	2666462	6467078		MIDDEN (SHELL)/ STONE WALL (HISTORIC)	1810
N42 1181	227500	644700		R11 1341	2666700	6467600		STONWORK/ MIDDEN (SHELL)	4987
N42 1182	227500	644800		R11 1342	2666776	6467705		STONE MOUND/ PLATFORM	5128
N42 1183	227300	646500		R11 1343	2666500	6469200		STONE WALLS/ STONE HEAPS/ MIDDEN (SHELL)	4988
N42 1184	227700	644800		R11 1344	2666859	6467699		TERRACE/ MIDDEN (SHELL)	6320
N42 1185	227600	644600		R11 1345	2666767	6467515		STONE MOUNDS/ MIDDEN (SHELL)/ STONE WALL	5129
N42 1186	227600	644600		R11 1346	2666845	6467505		STONE WALLS/ STONE HEAPS/ MIDDEN (SHELL)/ TERRACES	4989
N42 1187	227400	644700		R11 1347	2666500	6467600		STONE WALLS/ MIDDEN (SHELL)/ STONE PILES	4990
N42 1188	227500	644700		R11 1348	2666776	6467705		STONE WALLS/ STONE PILES	4991
N42 1189	227500	644800		R11 1349	2666700	6467700		STONWORK/ MIDDEN (SHELL)	4992
N42 1190	227400	644700		R11 1350	2666500	6467600		MIDDEN (SHELL)/ TERRACE/ STONE PILE	6321
N42	232700	642300		R11 1351	2671417	6465300		FINDSPOT (ADZE BUTT)	2942
N42	233700	642500		R11 1352	2672360	6465348		TERRACE/ PITS	4023
N42	234000	642300		R11 1353	2672496	6465261		TRENCH BOUNDARIES/ PITS	5041
N42	234000	642400		R11 1354	2672533	6465324		HOUSE SITE (EUROPEAN)	6526
N42	232500	641800		R11 1355	2671260	6464725		MIDDEN (SHELL)/ FINDSPOT (ADZE)	1811
N42	232300	642600		R11 1356	2670702	6466008		MIDDEN (SHELL)	1812
N42	231600	643500		R11 1357	2670441	6466398		MIDDEN (SHELL)	1813
N42	233400	642500		R11 1358	2671928	6465395		MIDDEN (SHELL)/ TERRACES	6322
N42	231600	643800		R11 1359	2670416	6466733		MIDDEN (SHELL)	1814
N42	231700	643800		R11 1360	2670483	6466751		TERRACE/ MIDDEN (SHELL) (REPORTED)	4573
N42	231500	643700		R11 1361	2670429	6466648		DEPRESSION	3432
N42	231700	644500		R11 1362	2670446	6467218		DEPRESSION	3433
N42	231600	644700		R11 1363	2670358	6467481		?PITS	3434
N42	245400	655800		R11 1364	2683300	6477300		MIDDEN (SHELL)	1815
N42	246400	655200		R11 1365	2684200	6476700		MIDDENS (SHELL)	1816
N42	244400	656100		R11 1366	2682400	6477800		MIDDEN (SHELL)	1817
N42	245400	655400		R11 1367	2683300	6476900		MIDDEN (SHELL)	1818
N42	246300	654600		R11 1368	2684100	6476200		MIDDENS (SHELL)	1819
N42	245000	655800		R11 1369	2683000	6477500		MIDDEN (SHELL)	1820
N42	245200	655900		R11 1370	2683100	6477400		MIDDEN (SHELL)	1821
N42	240200	651200		R11 1383	2678375	6473184		MIDDEN (SHELL)	1824
N42	246100	652900		R11 1386	2683951	6474661		MIDDEN (SHELL)	1825
N42	241200	652300		R11 1388	2679370	6474196		PIT	3435
N42	241500	651800		R11 1389	2679663	6473754		MIDDEN (SHELL)/ POSTHOLE	1826
N42	241500	651800		R11 1390	2679695	6473752		STONE JETTY/ QUARRY (HISTORIC)	5773
N42				R11 1391	2679244	6473695		Wahi Tapu/ BURIAL	6797
N42	241100	652200		R11 1392	2679269	6474176		TERRACES/ MIDDENS (SHELL)	6324
N42	241000	651100		R11 1393	2679090	6473039		STONE WALL	4993
N42 1191	227400	644600		R11 1395	2666655	6467508		STONE WALL/ STONE ENCLOSURE	4994
				R11 1438	2687498	6475902		TERRACE/ MIDDEN (SHELL)	6963
				R11 1439	2687566	6475898		TERRACE/ MIDDEN (SHELL)	6964
				R11 1440	2688014	6475858		PITS/ MIDDEN (SHELL)	6965

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NZMS1 SITE NO.	NZMS1 EASTING	GRID REF. NORTHING	NZMS260 SITE NUMBER	NZMS260 EASTING	GRID REF. NORTHING	SITE DESCRIPTION	PC NO.
R11 1441	2688018	6475806	TERRACE/ MIDDEN (SHELL)/ ?PIT			6966	
			R11 1442	2688078	6475758	PITS/ TERRACE/ MIDDEN (SHELL)	6967
			R11 1443	2688478	6475694	?TERRACE	6968
			R11 1444	2688306	6475554	?PIT	6969
			R11 1445	2688026	6476922	MIDDEN (SHELL)	6970
N42	241300	651400	R11 1511	2679450	6473385	MIDDEN (SHELL)	1829
N42	240900	651300	R11 1512	2679068	6473346	MIDDEN (SHELL)	1830
N42	241400	651400	R11 1513	2679371	6473376	STONE ALIGNMENT	4893
N42	241800	651700	R11 1514	2679891	6473569	MIDDEN (SHELL)	1831
N42	240800	651500	R11 1515	2679082	6473572	QUARRY (HISTORIC)	6580
N42	241400	652600	R11 1516	2679569	6473418	MIDDEN (SHELL)/ TERRACE	6326
N42	241300	652600	R11 1517	2679470	6473435	MIDDEN (SHELL)/ STONE ALIGNMENTS	1832
N42	240300	650100	R11 1519	2678627	6472323	STONWORK/ MIDDEN (SHELL)	5781
N42	241200	648300	R11 1524	2679300	6470500	FARM BUILDINGS	5848
N42	241400	650700	R11 1525	2679692	6473135	MIDDENS (SHELL)/ BURIAL/ WAHI TAPU/ TERRACES/ STONWORK/ ?PIT	6327
N42	237000	640000	R11 1543	2675208	6463044	MIDDEN (SHELL)	1833
N42	237000	640200	R11 1544	2675207	6463231	PITS/ MIDDEN (SHELL)	5514
N42	240700	649900	R11 1590	2678900	6472034	MIDDENS (SHELL)/ STONE MOUNDS/ STONE PILE	1839
N42	240600	649700	R11 1591	2678898	6471931	MIDDEN (SHELL)	1840
N42	240500	649600	R11 1592	2678539	6471767	MIDDENS (SHELL)/ TERRACE	1841
			R11 1593	2678680	6471600	BURIALS/ WAHI TAPU	6796
N42	246600	654100	R11 1600	2684400	6475700	MIDDEN (SHELL)	1843
N42	247300	652800	R11 1606	2684883	6474537	MIDDEN (SHELL)	1848
N42	246400	652500	R11 1607	2684037	6474110	PIT/ MIDDEN (SHELL)	5516
N42	246500	652600	R11 1608	2684142	6474393	PIT/ MIDDEN (SHELL)	5517
N42	246700	652800	R11 1609	2684223	6474571	MIDDEN (SHELL)	1849
N42	246100	652700	R11 1610	2683946	6474398	MIDDEN (SHELL)	1850
N42	246000	652700	R11 1611	2683795	6474346	MIDDEN (SHELL)	1851
N42	245900	652700	R11 1612	2683679	6474308	MIDDEN (SHELL)	1852
N42	245900	652600	R11 1613	2683549	6474256	MIDDEN (SHELL)	1853
N42	245800	652500	R11 1614	2683458	6474179	MIDDEN (SHELL)	1854
N42	247200	652500	R11 1615	2684973	6474281	FARM BUILDINGS/ OCCUPATION SITE	5851
N42	241300	648300	R11 1616	2679400	6470500	MIDDEN (SHELL)	1855
N42	250400	654200	R11 1617	2687800	6475700	MIDDEN (SHELL)	1856
N42	250500	654200	R11 1618	2687900	6475700	TERRACE/ MIDDEN (SHELL)	6328
N42	250500	654100	R11 1619	2687900	6475600	PA (RIDGE)	5307
N42	250200	655400	R11 1620	2687700	6476800	MIDDEN (SHELL)	1857
N42	250100	655200	R11 1621	2687600	6476600	MIDDEN (SHELL)	1858
N42	250100	655000	R11 1622	2687600	6476400	MIDDEN (SHELL)	1859
N42	250100	654900	R11 1623	2687600	6476300	MIDDEN (SHELL)	1860
N42	236200	641300	R11 1631	2674236	6464009	PIT/ TERRACE	4026
N42	235700	640300	R11 1632	2674003	6463340	PITS/ TERRACES/ MIDDEN (SHELL)	6054
N42	242300	641100	R11 1633	2680100	6463900	FLOUR MILL SITE (HISTORIC)	5808
N42	245200	652500	R11 1642	2683000	6474300	MIDDEN (SHELL)/ ?PA (REPORTED)	1863
N42	240400	649800	R11 1662	2678535	6471908	STONE MOUNDS	5131
N42	242100	652800	R11 1666	2680200	6474600	STONE WALL (HISTORIC)	5169
N42	243200	652800	R11 1667	2681200	6474600	MIDDEN (SHELL)	1866
N42	239200	653900	R11 1669	2677600	6475700	SETTLEMENT (HISTORIC) (REPORTED)	2992
N42	239600	653100	R11 1693	2677900	6475000	LOOKOUT/ SETTLEMENT	6626
N42	245000	651700	R11 1704	2682656	6473491	MIDDEN (SHELL)/ PIT (REPORTED)	5518
N42	245000	651500	R11 1705	2682800	6473400	MIDDEN (SHELL)/ PA (REPORTED)/ PIT (REPORTED)	5519
N42	237600	653500	R11 1708	2676100	6475400	BRIDGE (SWIVEL) (HISTORIC)	5791
N42	226200	647000	R11 1714	2665517	6469728	MIDDEN (SHELL)	1868
N42	225900	646200	R11 1715	2665200	6469000	MIDDEN (SHELL)	1869
N42	226200	646000	R11 1716	2665500	6468800	?STONE MOUNDS	5132
N42	226500	645700	R11 1717	2665800	6468593	TERRACE/ MIDDEN (SHELL)	6332
N42	226700	644500	R11 1727	2665943	6467413	MIDDEN (SHELL)/ STONE ALIGNMENT/ ?TERRACES	1871
			R11 1728	2668006	6467022	MIDDEN (SHELL)	6845

Sources: The New Zealand Archaeological Association Auckland Region Site
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Prepared for: Manukau City Council

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NZMS1 SITE NO.	NZMS1 EASTING	GRID NORTHING	REF. NORTHING	NZMS260 SITE NUMBER	NZMS260 EASTING	GRID NORTHING	REF. NORTHING	SITE DESCRIPTION	PC NO.
				R11 1729	2668150	6466951		MIDDEN (SHELL)	6844
				R11 1730	2667893	6467134		MIDDEN (SHELL)	6843
				R11 1731	2668062	6467374		MIDDEN (SHELL)	6842
				R11 1732	2668179	6467244		MIDDEN (SHELL) (EUROPEAN)	6841
				R11 1733	2668200	6467307		MIDDEN (SHELL)	6840
				R11 1734	2668232	6467354		MIDDEN (SHELL)	6839
				R11 1735	2668341	6467314		MIDDEN (SHELL)	6838
				R11 1736	2667881	6467177		MIDDEN (SHELL)	6837
				R11 1737	2667665	6467326		MIDDEN (SHELL)	6836
				R11 1738	2668040	6466949		MIDDEN (SHELL)	6835
				R11 1739	2668427	6467058		MIDDEN (SHELL)	6834
				R11 1740	2668600	6467500		MIDDEN (SHELL)	6833
				R11 1741	2668409	6467369		MIDDEN (SHELL)	6832
				R11 1759	2667269	6467182		MIDDEN (SHELL)	6729
				R11 1760	2666777	6467777		STONE HEAPS/ MIDDEN (SHELL)	6730
				R11 1761	2666653	6467691		STONE WALLS	6731
				R11 1762	2666495	6467695		MIDDEN (SHELL)	6732
				R11 1763	2666243	6467409		MIDDEN (SHELL)	6831
				R11 1764	2670200	6470600		MIDDEN (SHELL)	6830
				R11 1767	2674228	6463265		MIDDEN (SHELL)	6829
				R11 1768	2674564	6462989		MIDDEN (SHELL)	6828
				R11 1769	2674632	6463019		MIDDEN (SHELL)	6827
				R11 1770	2674689	6462999		MIDDEN (SHELL)	6826
				R11 1771	2674670	6462925		MIDDEN (SHELL)	6825
				R11 1772	2674705	6462872		MIDDEN (SHELL)	6824
				R11 1773	2674722	6462813		MIDDEN (SHELL)	6823
				R11 1774	2674723	6462689		MIDDEN (SHELL)	6822
				R11 1775	2673975	6463676		MIDDEN (SHELL)	6821
				R11 1783	2678800	6480250		MIDDEN (SHELL)	6985
				R11 1792	2668007	6465001		?PIT	6976
				R11 1793	2668033	6465024		?PIT	6977
				R11 1800	2671500	6465050		PITS/ MIDDEN (SHELL)	6940
				R11 1801	2684714	6473517		MIDDEN (SHELL)	6795
				R11 1802	2685000	6473548		PIT/ TERRACE	6978
				R11 1803	2684982	6473636		MIDDEN (SHELL)	6979
				R11 1804	2684832	6473634		PIT/ TERRACE/ MIDDEN (SHELL)	6980
				R11 1805	2684484	6473600		MIDDEN (SHELL)	6981
				R11 1806	2685111	6473720		MIDDEN (SHELL)/ HANGI STONES	6982
				R11 1807	2685076	6473827		MIDDEN (SHELL)/ HANGI STONES	6983
				R11 1808	2684793	6474500		MIDDEN (SHELL)	6984
				R11 1825	2666000	6469430		MIDDEN (SHELL)	6941
				R11 1826	2665967	6469428		STONE WALL	6942
				R11 1827	2665900	6469550		PITS/ TERRACES/ STONE WALL/ MIDDEN (SHELL)	6943
				R11 1828	2665672	6468715		BRICK FOUNDATIONS (HISTORIC)/ ?CISTERN	6944
				R11 1829	2665820	6468880		PITS/ MIDDEN (SHELL)	6945
				R11 1830	2665296	6468916		STONE WALL/ STONE MOUNDS/ MIDDEN (SHELL)	6946
				R11 1831	2664869	6469114		STONE WALL/ MIDDEN (SHELL)	6947
				R11 1832	2666579	6469336		MIDDEN (SHELL)/ ?TERRACES	6948
				R11 1833	2666530	6469257		MIDDEN (SHELL)	6949
				R11 1834	2664634	6469888		MIDDEN (SHELL)/ STONE ALIGNMENT	6950
				R11 1835	2664685	6469663		MIDDEN (SHELL)	6951
				R11 1836	2664966	6469758		MIDDEN (SHELL)	6952
				R11 1837	2665522	6469575		MIDDEN (SHELL)	6953
				R11 1838	2665749	6469501		MIDDEN (SHELL)	6954
				R11 1839	2665637	6469409		TERRACES	6955
				R11 1840	2666579	6469336		STONE ROWS/ STONE HEAPS	6956
				R11 1841	2666530	6469257		TERRACE/ MIDDEN (SHELL)/ STONE RETAINING WALL	6957
				R11 1842	2666670	6469170		STONE WALL	6958
				R11 1843	2666260	6469133		WATER CISTERN (HISTORIC)/ STONE	6959

Sources: The New Zealand Archaeological Association Auckland Region Site
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AUCKLAND REGIONAL COUNCIL CHI - ARCHAEOLOGICAL SITES
 Prepared for: Manukau City Council
 Location: Manukau City Summary List of Archaeological Sites
 Date: 21/07/95

NZMS1 SITE NO.	NZMS1 EASTING	GRID NORTHING	REF. NORTHING	NZMS260 SITE NUMBER	NZMS260 EASTING	GRID NORTHING	REF. NORTHING	SITE DESCRIPTION	PC NO.
								WALL/ CONCRETE FOUNDATION	
				R11 1844	2666392	6469032		TERRACE/ MIDDEN (SHELL)/ STONWORK	6962
				R11 1845	2666434	6468844		STONE HEAPS	6961
				R11 1846	2681600	6472800		PIT/ TERRACES	6971
				R11 1848	2666500	6469050		TERRACE/ MIDDEN (SHELL)	6960
N46 191	240700	636300		R12 189	2678656	6459449		MIDDEN (SHELL)	1915
N46 192	241200	636400		R12 190	2678932	6459616		PA (HEADLAND)	2751
N46 338	238200	636000		R12 286	2676178	6459386		MIDDEN (SHELL)	1988
N46 340	237600	636200		R12 287	2675598	6459519		MIDDEN (SHELL)	1989
N46 349	240300	636600		R12 288	2678081	6459777		TERRACE/ PIT/ ?DEPRESSIONS	4043
N46 350	240000	636400		R12 289	2677778	6459585		PITS	3480
N46 351	239700	636500		R12 290	2677573	6459668		PITS	3481
N46 352	239800	636700		R12 291	2677698	6459795		PIT	3482
N46 354	239100	636400		R12 292	2676969	6459415		MIDDEN (SHELL)	1990
N46 355	238800	636300		R12 293	2676816	6459601		MIDDEN (SHELL)	1991
N46 356	238800	636000		R12 294	2676681	6459314		PIT/ MIDDEN (SHELL)	5642
N46 357	238700	636000		R12 295	2676662	6459230		MIDDEN (SHELL)	1992
N46 358	238600	635800		R12 296	2676723	6459188		MIDDEN (SHELL)	1993
N46 359	238700	635800		R12 297	2676788	6459148		MIDDEN (SHELL)	1994
N46 360	238800	635800		R12 298	2676839	6459127		MIDDEN (SHELL)	1995
N46 361	238900	635800		R12 299	2676879	6459083		MIDDEN (SHELL)	1996
N46 362	239100	635800		R12 300	2676973	6459107		MIDDEN (SHELL)	1997
N46 363	239200	635800		R12 301	2677100	6459101		MIDDEN (SHELL)	1998
N46 364	239400	636000		R12 302	2677273	6459279		PITS	3483
N46 365	239400	635800		R12 303	2677290	6459174		MIDDEN (SHELL)	1999
N46 366	239800	635700		R12 304	2677685	6458988		MIDDEN (SHELL)	2000
N46 367	239900	635600		R12 305	2677850	6458795		MIDDEN (SHELL)	2001
N46 368	239100	636000		R12 306	2676976	6459287		PITS	5702
N46 404	242400	635200		R12 692	2680000	6458300		MIDDEN (SHELL)	2080
N46 405	242700	635100		R12 693	2680300	6458400		MIDDEN (SHELL)/ PIT	5533
N46 407	242700	635200		R12 694	2680300	6458400		MIDDEN (SHELL)	2081
N42 125	253100	644100		S11 7	2690000	6466300		PA (HILL)	2826
N42 323	253200	657300		S11 15	2690400	6478500		PA (HEADLAND)	5236
N42 703	253200	657100		S11 17	2690400	6478200		MIDDEN (SHELL) (REPORTED)	2159
N42 715	254500	644300		S11 18	2691300	6466500		PITS	3622
N42 716	254600	644000		S11 19	2691400	6466200		MIDDEN (SHELL)	2160
N43 35	259000	651700		S11 53	2695700	6473400		PA (HEADLAND)	5237
N43 36	259300	651200		S11 54	2695900	6472800		PA (RIDGE)	5950
N43 52	273400	644800		S11 69	2708600	6466600		PA (HILL)	5348
N43 57	271000	650100		S11 73	2706500	6471400		PA (HEADLAND)	2841
N43 59	265800	649600		S11 75	2701900	6471200		PA (RIDGE)	5349
N43 60	256300	656700		S11 76	2693300	6478000		PA (HEADLAND)	5350
N43 64	268500	649800		S11 80	2704200	6471200		PA (HEADLAND)	5952
N43 65	267400	649200		S11 81	2703200	6470600		MIDDEN (SHELL)	2164
N43 66	256600	656500		S11 82	2693500	6477600		MIDDEN (SHELL)	2165
N43 67	268800	647000		S11 83	2704400	6468600		PA (RIDGE)	5352
N43 68	268600	647900		S11 84	2704300	6469400		MIDDEN (SHELL)	2166
N43 91	260600	649600		S11 107	2697100	6471300		PA (HEADLAND)	5954
N43 92	260200	648800		S11 108	2696900	6470700		PA (HILL)	5955
N43 93	260000	648600		S11 109	2696400	6470300		PA (RIDGE)	2844
N43 94	259500	648300		S11 110	2696000	6470000		PA (RIDGE)	5353
N43 95	259400	648000		S11 111	2695900	6469700		TERRACES/ ?PA (RIDGE)/ PITS/ MIDDEN (SHELL)	6081
N43 96	260400	647500		S11 112	2696800	6469300		PITS	5539
N43 97	262700	649700		S11 113	2698900	6471400		PA (HEADLAND)	2845
N43 98	262500	649300		S11 114	2699000	6471300		PA (HEADLAND)/ BURIAL (REPORTED)	5238
N43 99	265000	651200		S11 115	2701100	6472700		PA (HEADLAND)	2846
N43 100	273900	648000		S11 116	2709100	6469400		PA (HEADLAND)	5354
N43 101	273200	644100		S11 117	2708400	6465800		PITS/ PLATFORMS	4189
N43 102	273300	644500		S11 118	2708500	6466200		PITS/ ?HOUSES	4190
N43 103	276600	645500		S11 119	2711500	6467000		PA (HEADLAND)	5956
N43 104	260900	654500		S11 120	2697400	6475700		PA (HEADLAND)	5355

Sources: The New Zealand Archaeological Association Auckland Region Site
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AUCKLAND REGIONAL COUNCIL CHI - ARCHAEOLOGICAL SITES
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 Location: Manukau City Summary List of Archaeological Sites
 Date: 21/07/95

NZMS1 SITE NO.	NZMS1 EASTING	GRID NORTHING	REF. SITE NUMBER	NZMS260 EASTING	GRID NORTHING	REF. SITE DESCRIPTION	PC NO.
N43	105	275400	647600	S11	121	2710500 6469000 PA (CLIFFTOP)	5239
N43	228	277400	644700	S11	240	2712200 6466400 PA (HEADLAND)	5359
N43	229	277300	644200	S11	241	2712100 6465800 PA (RIDGE)	5360
N43	230	273900	645700	S11	242	2709000 6467300 PITS/ STONE HEAPS	5135
N43	231	275200	644300	S11	243	2710200 6466000 STONE HEAPS	5136
N43	232	273600	644700	S11	244	2708700 6466400 PA (RIDGE)	5361
N43	233	275800	645100	S11	245	2710900 6466900 STONE HEAPS	5137
N43	234	276700	644300	S11	246	2711600 6465900 MIDDEN (SHELL) (HISTORIC)	2206
N43	235	265900	648900	S11	247	2701800 6470400 MIDDEN (SHELL)	2207
N43	236	265900	648800	S11	248	2701800 6470300 MIDDEN (SHELL)	2208
N43	237	273500	644900	S11	249	2708700 6466500 PITS	5671
N43	238	275200	644300	S11	250	2710200 6466000 PITS/ TERRACES	4221
N43	239	268400	649700	S11	251	2704100 6471100 MIDDEN (SHELL)	2209
N43	240	274500	644300	S11	252	2709600 6466000 MIDDEN (SHELL)	2210
N43	242	279000	643700	S11	254	2713700 6465300 MIDDEN (SHELL)	2211
N43	243	279000	643400	S11	255	2713600 6465000 MIDDEN (SHELL)	2212
N43	244	278900	643300	S11	256	2713600 6464900 MIDDEN (SHELL)	2213
N43	245	277800	643800	S11	257	2712600 6465400 STONE HEAPS/ STONE ROW	5138
N43	247	278000	642700	S11	259	2712700 6464400 PITS	3642
N43	248	277600	642700	S11	260	2712400 6464400 PITS/ TERRACES	4222
N43	249	277700	642500	S11	261	2712400 6464200 PITS	3643
N43	250	277400	642700	S11	262	2712200 6464400 STONE HEAPS	5139
N43	261	276500	645500	S11	273	2711300 6467000 PITS/ TERRACES	4225
N43	263	275700	644900	S11	274	2710600 6466500 PIT/ STONE HEAPS/ STONE ROW	5140
N43	264	275600	645200	S11	275	2710200 6466400 PITS/ TERRACE	4226
N43	265	276300	645300	S11	276	2711200 6466800 PITS/ TERRACE/ STONE HEAP	3647
N43	266	276300	644600	S11	277	2711200 6466200 PITS/ TERRACE/ MOUND/ DEPRESSIONS	3648
N43	267	276800	645300	S11	278	2711700 6466800 PITS/ MIDDEN (SHELL)/ DEPRESSIONS	3649
N43	268	277000	644900	S11	279	2711900 6466500 ?TERRACES	4708
N43	269	277400	644500	S11	280	2712200 6466100 PITS/ TERRACES	4227
N43	270	274700	645400	S11	281	2709800 6467000 PITS	3650
N43	271	274500	644400	S11	282	2709600 6466100 MIDDEN (SHELL)	2214
N43	272	273600	645600	S11	283	2708800 6467200 STONE HEAPS	5141
N43	274	278800	643800	S11	284	2713500 6465400 MIDDEN (SHELL)	2215
N43	275	278300	644100	S11	285	2713000 6465700 MIDDEN (SHELL)	2216
N43	276	276500	642300	S11	286	2711400 6464000 PA (RIDGE)	5364
N43	277	277800	643000	S11	287	2712500 6464700 STONE HEAPS	5142
N43	278	275700	641600	S11	288	2710600 6463500 STONE ROWS	5001
N43	279	275900	642000	S11	289	2710800 6463800 OCCUPATION SITE	6541
N43	280	275700	642300	S11	290	2710600 6464100 STONE MARKER (TRACK)	4898
N43	281	276300	644400	S11	291	2711200 6466000 PITS/ TERRACES	4228
N43	282	273700	643900	S11	292	2708800 6465600 PITS/ TERRACES	4229
N43	283	275200	644100	S11	293	2710200 6465800 PITS/ TERRACES	4230
N43	284	275200	644000	S11	294	2710200 6465700 PITS/ TERRACE	4231
N43	285	275400	643700	S11	295	2710400 6465400 PA (HILL)	5960
N43	286	275300	643300	S11	296	2710300 6465000 PITS/ TERRACES	4232
N43	287	275400	643500	S11	297	2710400 6465200 PITS/ TERRACES	4233
N43	288	275500	643800	S11	298	2710500 6465500 PITS/ TERRACES	4234
N43	289	275600	644000	S11	299	2710600 6465700 PITS/ TERRACES	4235
N43	290	275200	643700	S11	300	2710200 6465400 PITS	4236
N43	291	274600	643900	S11	301	2709600 6465600 TRACK (MAORI)	5711
N43	292	271800	644800	S11	302	2707100 6466500 PIT/ TERRACES	4237
N43	293	272800	644400	S11	303	2708000 6466100 PITS/ TERRACES	4238
N43	294	272400	644300	S11	304	2707600 6466000 PITS/ TERRACES	4239
N43	295	272200	644100	S11	305	2707500 6465800 PITS	3651
N43	296	271900	643700	S11	306	2707200 6465500 PITS/ DEPRESSIONS	3652
N43	297	271700	644200	S11	307	2707000 6466000 TERRACES/ STONE HEAPS/ FINDSPOT (KO) (REPORTED)	4709
N43	299	269200	642800	S11	308	2704700 6464700 KARAKA	4931
N43	300	275300	647600	S11	309	2710400 6469000 MIDDEN (SHELL)	2217
N43	301	272400	649300	S11	310	2707800 6470600 PA (HEADLAND)	2848
N43	302	272000	648100	S11	311	2707400 6469500 MIDDEN (SHELL)	2218

Sources: The New Zealand Archaeological Association Auckland Region Site
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AUCKLAND REGIONAL COUNCIL CHI - ARCHAEOLOGICAL SITES

Prepared for: Manukau City Council

Location: Manukau City Summary List of Archaeological Sites

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NZMS1 SITE NO.	NZMS1 EASTING	GRID NORTHING	REF. NORTHING	NZMS260 SITE NUMBER	NZMS260 EASTING	GRID NORTHING	REF. NORTHING	SITE DESCRIPTION	PC NO.
N43	303	272000	649400	S11 312	2707400	6470700		MIDDEN (SHELL)	2219
N43	304	273000	644500	S11 313	2708200	6466200		PITS/ TERRACE/ DEPRESSIONS	4240
N43	305	271300	649500	S11 314	2706800	6470800		FINDSPOT (ADZE)	2962
N43	306	270700	648600	S11 315	2706200	6470000		MIDDEN (SHELL)	2220
N43	307	270400	650300	S11 316	2706000	6471600		MIDDEN (SHELL)	2221
N43	308	269500	649600	S11 317	2705100	6470900		PITS/ TERRACES	4241
N43	309	269500	649400	S11 318	2705100	6470800		TERRACES	4710
N43	310	270300	648100	S11 319	2705800	6469600		PIT/ TERRACE	4242
N43	311	272200	645800	S11 320	2707500	6467400		PA (HILL)	5961
N43	312	272600	645300	S11 321	2707800	6466900		PITS/ TERRACES	4243
N43	313	272000	644800	S11 322	2707300	6466500		PA/ PITS	5365
N43	314	272000	644600	S11 323	2707300	6466300		PITS/ TERRACES	4244
N43	315	271600	645400	S11 324	2706900	6467000		PITS/ TERRACES	4245
N43	316	272300	644500	S11 325	2707600	6466200		PITS/ STONE ROWS	4246
N43	317	271400	644400	S11 326	2706700	6466100		PITS	3653
N43	318	270900	644400	S11 327	2706300	6466200		TERRACES/ PITS	4247
N43	319	266200	647400	S11 328	2702100	6469000		PA (RIDGE)	2849
N43	320	266700	647900	S11 329	2702500	6469500		MIDDEN (SHELL)	2222
N43	321	266900	648100	S11 330	2702700	6469600		MIDDEN (SHELL)	2223
N43	322	267300	647600	S11 331	2703100	6469200		PITS/ TERRACES/ MIDDEN (SHELL)	6091
N43	323	266900	647800	S11 332	2702700	6469400		MIDDEN (SHELL)	2224
N43	324	267100	648200	S11 333	2702900	6469700		TERRACES/ MIDDENS (SHELL)	6365
N43	327	267400	648900	S11 334	2703200	6470400		MIDDEN (SHELL)	2225
N43	328	267100	647900	S11 335	2702900	6469500		PITS	3654
N43	329	267400	647300	S11 336	2703100	6468900		MIDDEN (SHELL)	2226
N43	330	263000	648400	S11 337	2699200	6470000		DITCH/ MIDDEN (SHELL)	2227
N43	350	276600	645400	S11 356	2711500	6466900		PITS/ DEPRESSION/ STONE HEAP	5674
N43	351	274900	643600	S11 357	2709900	6465300		PITS/ TERRACES	4258
N43	352	267500	647700	S11 358	2703200	6469300		PITS/ TERRACES	4259
N43	353	267300	647500	S11 359	2703100	6469100		PIT/ TERRACE/ MIDDEN (SHELL)	6093
N43	354	268400	649500	S11 360	2704100	6470900		MIDDEN (SHELL)	2228
N43	355	268200	649300	S11 361	2703900	6470700		MIDDEN (SHELL)	2229
N43	356	267400	648500	S11 362	2703200	6470000		PA (RIDGE)	5243
N43	357	267700	647700	S11 363	2703400	6469300		PITS	3655
N43	358	267800	647500	S11 364	2703500	6469100		MIDDENS (SHELL)	2230
N43	359	267000	648300	S11 365	2702800	6469800		MIDDEN (SHELL)	2231
N43	361	271700	644400	S11 366	2707000	6466100		STONE HEAPS	5143
N43	362	270500	644300	S11 367	2705900	6466100		STONE HEAPS	5144
N43	363	272200	644500	S11 368	2707500	6466200		FIRE PLACES	5558
N43	364	273100	644500	S11 369	2708300	6466200		PITS/ TERRACES	4260
N43	367	268300	647600	S11 371	2704000	6469100		MIDDEN (SHELL)	2232
N43	375	262800	648300	S11 377	2699000	6469900		MIDDEN (SHELL)	2234
N43	376	262900	648400	S11 378	2699100	6470000		MIDDEN (SHELL)	2235
N43	377	263100	648400	S11 379	2699200	6470000		MIDDEN (SHELL)	2236
N43	378	265400	649800	S11 380	2701400	6471200		MIDDEN (SHELL)	2237
N43	379	262500	648200	S11 381	2698700	6469800		MIDDEN (SHELL)	2238
N43	380	262600	648500	S11 382	2698800	6470100		MIDDEN (SHELL)	2239
N43	381	262900	649000	S11 383	2699100	6470600		MIDDEN (SHELL)	2240
N43	382	262800	649600	S11 384	2699000	6471100		MIDDEN (SHELL)	2241
N43	383	262400	648300	S11 385	2698600	6469900		TERRACES/ MIDDEN (SHELL)/ PIT	6095
N43	384	262700	648400	S11 386	2698900	6470000		MIDDEN (SHELL)	2242
N43	385	262900	649100	S11 387	2699100	6470700		MIDDEN (SHELL)	2243
N43	386	262700	648800	S11 388	2698900	6470400		MIDDEN (SHELL)	2244
N43	387	261600	648700	S11 389	2697900	6470300		TERRACES/ MIDDEN (SHELL)	6096
N43	388	266000	648900	S11 390	2701900	6470400		MIDDEN (SHELL)	2245
N43	389	265800	649200	S11 391	2701700	6470700		MIDDEN (SHELL)	2246
N43	390	265800	649300	S11 392	2701700	6470800		MIDDEN (SHELL)	2247
N43	391	265300	649900	S11 393	2701300	6471300		MIDDEN (SHELL)	2248
N43	392	262900	648200	S11 394	2699100	6469800		MIDDEN (SHELL)/ TERRACE	6367
N43	393	263300	648600	S11 395	2699400	6470200		FLOUR MILL DAM	5810
N43	394	257900	653800	S11 396	2694600	6475100		MIDDEN (SHELL)	2249
N43	396	256400	652800	S11 397	2693200	6474200		PITS/ TERRACES	4261
N43	417	274000	646200	S11 418	2709200	6467700		STONE HEAPS/ PITS	5145
N43	418	274200	646200	S11 419	2709300	6467700		STONE HEAP	5146

Sources: The New Zealand Archaeological Association Auckland Region Site
File and the Department of Conservation Wellington Conservation
Sciences Centre Archaeology Database.

AUCKLAND REGIONAL COUNCIL CHI - ARCHAEOLOGICAL SITES
 Prepared for: Manukau City Council
 Location: Manukau City Summary List of Archaeological Sites
 Date: 21/07/95

NZMS1 SITE NO.	NZMS1 EASTING	GRID NORTHING	REF. NORTHING	NZMS260 SITE NUMBER	NZMS260 EASTING	GRID NORTHING	REF. NORTHING	SITE DESCRIPTION	PC NO.
N43	419	273900	646100	S11 420	2709100	6467600		PITS	3658
N43	420	275500	644700	S11 421	2710500	6466400		PITS	3659
N43	421	275500	644600	S11 422	2710600	6466300		PITS/ STONE HEAPS	5147
N43	422	275500	644500	S11 423	2710500	6466300		PITS/ STONE HEAPS	3660
N43	423	275700	644800	S11 424	2710700	6466500		PITS/ STONE HEAPS	3661
N43	427	275700	644700	S11 428	2710500	6466200		STONE HEAPS	5148
N43	428	275700	645100	S11 429	2710700	6466600		STONE HEAPS/ PIT	5149
N43	429	272500	643900	S11 430	2707700	6465700		PIT/ STONE HEAP	3662
N43	430	272300	644200	S11 431	2707500	6465900		PITS/ DRAIN	3663
N43	431	269600	644000	S11 432	2705100	6465800		MIDDEN (SHELL)	2251
N43	432	272000	649000	S11 433	2707400	6470300		STONE HEAPS	5150
N43	433	272100	648000	S11 434	2707500	6469400		PIT	3664
N43	434	271500	649500	S11 435	2707000	6470800		MIDDEN (SHELL)	2252
N43	435	271500	649500	S11 436	2707000	6470800		MIDDEN (SHELL)	2253
N43	436	271200	649700	S11 437	2706700	6471000		MIDDEN (SHELL)	2254
N43	437	270400	650300	S11 438	2706000	6471600		OVEN	2464
N43	438	270200	650400	S11 439	2705800	6471700		MIDDEN (SHELL)	2255
N43	439	270100	650400	S11 440	2705700	6471700		MIDDEN (SHELL)	2256
N43	440	270000	650700	S11 441	2705600	6471900		MIDDEN (SHELL)	2257
N43	441	269500	650400	S11 442	2705100	6471700		MIDDEN (SHELL)	2258
N43	442	269500	650400	S11 443	2705100	6471700		MIDDEN (SHELL)	2259
N43	443	269300	650200	S11 444	2705000	6471500		MIDDEN (SHELL)/ FINDSPOT (OBSIDIAN)	2260
N43	444	272100	644800	S11 445	2707400	6466500		PITS	5675
N43	445	272100	644600	S11 446	2707400	6466300		PITS/ DITCHES AND MOUNDS/ CULTIVATION	5676
N43	446	272500	644600	S11 447	2707700	6466300		STONE HEAPS/ GARDEN	5151
N43	447	273100	645000	S11 448	2708300	6466600		STONE HEAPS	5152
N43	456	255400	646600	S11 449	2692200	6468700		PA	4719
N43	625	276700	642400	S11 497	2711500	6464200		PIT/ STONE CIRCLE	3669
N43	626	276600	645400	S11 498	2711500	6466900		MIDDEN (SHELL)	2276
N43	628	276600	645500	S11 499	2711500	6467000		PLATFORM/ HOUSE SITE	6640
N43	663	255300	644100	S11 533	2692000	6466300		REDOUBT (HISTORIC) (REPORTED)	5732
N43	664	257300	647300	S11 534	2693900	6469200		REDOUBT (HISTORIC) (REPORTED)	5733
N43	666	276500	645500	S11 535	2711400	6467000		PITS	3672
N43	667	276500	645400	S11 536	2711400	6466900		DEPRESSIONS/ MOUNDS	3673
N43	668	276200	644700	S11 537	2711100	6466300		DEPRESSION	3674
N43	669	276700	645100	S11 538	2703900	6469100		MIDDEN (SHELL)	2286
N43	670	276900	644800	S11 539	2711800	6466400		DEPRESSIONS/ MIDDEN (SHELL)	3675
N43	671	277300	644400	S11 540	2712100	6466000		DEPRESSIONS	3676
N43	672	274600	645400	S11 541	2709700	6467000		BORROW PITS	5709
N43	673	275700	642100	S11 542	2710600	6463900		BOTANICAL SITE (KARAKA)	4932
N43	674	273600	644500	S11 543	2708700	6466200		STONE HEAPS	3677
N43	675	273600	644200	S11 544	2708700	6465900		STONE HEAP	5153
N43	676	273700	643700	S11 545	2708800	6465400		PITS	5368
N43	677	275400	643600	S11 546	2710400	6465300		PITS	3678
N43	678	275700	644300	S11 547	2710700	6465900		PITS/ DEPRESSION	5684
N43	679	275300	643700	S11 548	2710300	6465400		PITS/ TERRACES	4293
N43	680	272700	644400	S11 549	2707900	6466100		PITS/ DEPRESSION	5685
N43	681	272500	644400	S11 550	2707700	6466100		STONE HEAPS	5154
N43	682	272000	644300	S11 551	2707300	6466000		STONE HEAPS	5155
N43	683	269500	649500	S11 552	2705100	6470900		MIDDEN (SHELL)/ BOTANICAL SITE (PURIRI TREE)/ TERRACE/ FINDSPOT (CHISELS)	2287
N43	684	269500	649300	S11 553	2705100	6470700		TERRACES/ ?PITS	4294
N43	685	271500	644400	S11 554	2706800	6466100		STONE HEAPS/ STONE ROWS/ PITS	5156
N43	686	259300	648300	S11 555	2695800	6470000		MIDDEN (SHELL)	2288
N43	687	259300	647900	S11 556	2695800	6469700		MIDDEN (SHELL)	2289
N43	688	256100	646400	S11 557	2692700	6468400		PA (HEADLAND)	5962
N42	704	253000	656900	S11 559	2690200	6478000		MIDDEN (SHELL)	2290
N42	705	253200	656700	S11 560	2690400	6477900		MIDDEN (SHELL)	2291
N43	298	270400	643500	S11 566	2705800	6465300		PITS/ TERRACES	4298
N43	326	267500	648700	S11 567	2703300	6470200		?CANOE (REPORTED)	2906
N43	624	276500	642300	S11 637	2711300	6464100		PIT	3681

Sources: The New Zealand Archaeological Association Auckland Region Site
 File and the Department of Conservation Wellington Conservation
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AUCKLAND REGIONAL COUNCIL CHI - ARCHAEOLOGICAL SITES
 Prepared for: Manukau City Council
 Location: Manukau City Summary List of Archaeological Sites
 Date: 21/07/95

NZMS1 SITE NO.	NZMS1 EASTING	GRID NORTHING	REF. NORTHING	NZMS260 SITE NUMBER	NZMS260 EASTING	GRID NORTHING	REF. NORTHING	SITE DESCRIPTION	PC NO.
N42	992	254700	653500	S11 638	2691700	6474900		MINE (GOLD) (REPORTED)	3006
N42	993	253900	654200	S11 639	2691000	6475600		PA (RIDGE)	5369
N43	693	255100	647500	S11 641	2691900	6469400		MIDDEN (SHELL)	2293
N43	627	268200	647600	S11 673	2703900	6469100		MIDDEN (SHELL)/ FINDSPOT (ADZE)	2308
N47		254600	637300	S11 682	2691200	6460100		MIDDEN (SHELL) (REPORTED)	2314
N43		259100	653500	S11 734	2695800	6474800		PITS/ MIDDEN (SHELL)	5546
N43		260200	654200	S11 736	2696800	6475400		MIDDEN (SHELL)/ FINDSPOT (ADZE)	2316
N43		276800	645300	S11 738	2711700	6466900		OVENS	2466
N43		276700	645200	S11 739	2711600	6466800		BOTANICAL SITE (TARO)	5088
N48		255600	637800	S11 742	2692200	6460600		FINDSPOT (ANCHOR STONE) (REPORTED)	2963
N47		254800	638000	S11 743	2691400	6460800		TRACK (SLED AND HORSE)	5784
N48		255200	637600	S11 744	2691800	6460400		DITCH (BOUNDARY MARKER)/ GARDEN	6647
N48		255200	637600	S11 745	2691800	6460400		HOUSE SITE (EUROPEAN)/ TERRACE/ TRACK	6652
N47		254800	637900	S11 746	2691400	6460700		FINDSPOT (ADZE)	2964
N48		255300	637300	S11 747	2691900	6460100		FINDSPOT (CANOE REMAINS) (REPORTED)	2907
N48		255100	637500	S11 748	2691700	6460300		?DAM	6618
N48		255300	637800	S11 749	2691900	6460600		HOMESTEAD	6542
N43		255800	645700	S11 750	2692600	6467800		MIDDEN (SHELL)	2317
N43		255600	645700	S11 751	2692400	6467800		TRACK/ TERRACES/ PIT	5785
N43		255100	646100	S11 752	2691900	6468200		TERRACE	4728
N42		254200	645900	S11 753	2691100	6468000		?TERRACES	4729
N43		255100	645800	S11 754	2691900	6467900		TERRACE	4730
N42		254100	646500	S11 755	2691000	6468600		TRACK/ TERRACE	5786
N42		254900	646200	S11 756	2691700	6468300		TERRACE/ TRACK	5787
N43		255700	645600	S11 757	2692500	6467700		TERRACE/ MIDDEN (SHELL)	6374
N43		277400	644700	S11 758	2712300	6466300		PITS/ TERRACES	4302
N43		277000	645100	S11 759	2711900	6466700		PIT/ TERRACE	4303
N43		276300	645500	S11 760	2711300	6467100		TERRACES	4731
N43		256100	645100	S11 761	2692800	6467200		MIDDEN (SHELL)	2318
N43		259400	654800	S11 763	2696100	6476000		SHIPWRECK	5760
N48		256500	636800	S12 264	2693000	6459600		PITS (REPORTED)	3715
N47		254600	636600	S12 265	2691200	6459500		DITCHES/ TERRACES	5583
N47		254600	636800	S12 266	2691200	6459600		?PIT	3716
N47		254700	636700	S12 267	2691300	6459600		?TERRACES	4741

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Sources: The New Zealand Archaeological Association Auckland Region Site
 File and the Department of Conservation Wellington Conservation
 Sciences Centre Archaeology Database.

APPENDIX 4

**PRELIMINARY LIST OF
MANUKAU CITY
HISTORIC MAPS AND
PLANS (BY CHI
DATABASE SEQUENCE
NUMBER)**



(SE 2)

SOURCE: DOSLI SO NO: 235 DATE: 17 Jul 1866

TITLE: Plan of Pukaki Parish of Manurewa Lots
154-162.

ABSTRACT: First survey of Pukaki Maori
Settlement. Produced at N.L.C. Auckland on
application for partition by Tame Panapa. Shows
Allotment boundaries, numbers and owners.

PLACE NAMES: PUKAKI CREEK

FEATURES: BURIAL GROUND, ROAD

NAMES: Paora Te Iwi, Heta Te Tihi, Bishop of N.Z.,
Riria and children, Te Keene, Hapimana, Mohi Te Ahi
a Te Ngu, Tame Panapa

(SE 6)

SOURCE: DOSLI SO NO: 903A DATE: 1872

TITLE: James Ellett's Grant Mangere.

PLACE NAMES: OTAHUHU, MANGERE

NAMES: JAMES ELLETT

(SE 7)

SOURCE: DOSLI SO NO: 961 DATE: 1 Aug 1873

TITLE: Mangere Village.

PLACE NAMES: OTAHUHU, MANGERE

(SE 11)

SOURCE: DOSLI SO NO: 1122E DATE: n.d.
(early C19th)

TITLE: Plan Copied from a Survey by John Kelly for
Mr W. McLaughlin.

ABSTRACT Shows allotment boundaries, roads and
some features

PLACE NAMES PUHINUI RIVER

FEATURES TEATREE, WESLYAN CHURCH PROPERTY, 'RUSH
FLAT', 'TEA TREE' CLUMPS, ST DAVIDS CHURCH, 'BUSH
FLAT'

NAMES John Kelly, W. McLaughlin

(SE 12)

SOURCE: DOSLI SO NO: 1142 DATE: 1866

TITLE: Village of Mangere.

ABSTRACT: Shows Maori grantees.

PLACE NAMES: MANGERE, OTAHUHU

(SE 13)

SOURCE: APL, NZ Maps 4549 DATE: 1884?

TITLE: Freehold estate of Mangere for sale by auction.

PLACE NAMES: MANGERE

(SE 15)

SOURCE: APL, NZ Maps 6418 DATE: 1866

TITLE: Parish of Manurewa - County of Eden.

PLACE NAMES: MANUREWA, EDEN

(SE 16)

SOURCE: APL, NZ Maps 4528 DATE: 1882

TITLE: Papatoetoe villa sites and small farms to be sold by auction.

PLACE NAMES: PAPATOETOE

(SE 18)

SOURCE: APL, NZ Maps 2678, APL NZ Maps 2681
DATE: 1928

TITLE: Manurewa Town District Lands and Survey.

PLACE NAMES: MANUREWA

(SE 19)

SOURCE: APL, NZ Maps 1140 DATE: 1870c.

TITLE: Proposed Onehunga and Mangere (sic) Bridge.

PLACE NAMES: ONEHUNGA, MANGERE, MANUKAU

(SE 25)

SOURCE: APL NZP, C.995.1129 aj, NZ Maps 890
DATE: 1861

TITLE: Manukau Harbour Surveyed by Commander B. Drury; Messrs H. Kerr, and P. Oke, Second Masters; A. Farmer and C. Stanley, Masters Assistants; and W. Blackney, R.N. 1853.

ABSTRACT: Great Britian Hydrographic Office, Admiralty Chart of New Zealand No.2726. Size 63 x 93cm. (Also see SE42, 51 and 50)

FEATURES: LOW LEVEL LAND, MOUNDS OF SCORIA,
'MANGARI NATIVE SETTLEMENT', SWAMP, HUTS,
SETTLEMENTS, STONE WALLS
NAMES: 'NGA TIMANANGA TRIBE'

(SE 26)

SOURCE: DOSLI SO NO: 11370 DATE: Nov 1898

TITLE: Plan of Sections in the Parish of Manurewa
(Pukaki)

ABSTRACT: Field book 1200 pp.1-10. Plan of
Sections in Pukaki Maori Settlement in 1898 showing
lot boundaries and grantees.

PLACE NAMES: MANUREWA, PUKAKI CREEK

FEATURES: HEDGES, PAH, HOUSES, STABLES, BURIAL
GROUND, CONCRETE RESERVOIR

NAMES: Anderson, A., Bishop of N.Z., Takaanini,
W., Ngareti and others

(SE 27)

SOURCE: DOSLI MAP NO: ML 14269 DATE: Sep
1961

TITLE: Plan of Lots 196 and 197C P. of Manurewa.

ABSTRACT: Sections in Ruaiti Road, Ihumatao
Village. Area 2.1.32. CT 247/113 Maori Owners
listed.

PLACE NAMES: RUAITI ROAD, MANUREWA, IHUMATAO
VILLAGE, RUATITI ROAD, ORUARANGI CREEK, ORUARANGI
ROAD

FEATURES: OLD HOUSE, CORRUGATED IRON WHARE

(SE 28)

SOURCE: DOSLI SO NO: 11191 DATE: Mar 1898

TITLE: Plan of Subdivision Lot 158 Parish of
Manurewa

ABSTRACT Detail of Pukaki Maori Reserve survey
1898 Allotments Plan for Mohi and Panapa for
subdivision 1898

PLACE NAMES PUKAKI CREEK, MANUREWA

FEATURES ROAD, CREEK, BUILDINGS

NAMES Mohi Te Ahi a Te Ngu, Tame Panapa

(SE 29)

SOURCE DOSLI MAP NO: ML 15090 DATE: Oct
1977

TITLE: Plan of Sections 1 and 2 partition of Lot
156 Parish of Manurewa.

ABSTRACT Survey plan of section in Pukaki
Village. Maori owners. CT 399/59

PLACE NAMES: MANUREWA, PUKAKI VILLAGE, PUKAKI ROAD

FEATURES MACROCARPA TREES, HOUSE, VILLAGE,
GARAGE, FENCE

(SE 30)

SOURCE: DOSLI MAP NO: ML 14295 DATE: Mar
1962

TITLE: Plan of Lot 155A Parish of Manurewa.

ABSTRACT: Survey plan of section at Pukaki Maori
owners described. CT 392/51 and 221/80.

PLACE NAMES: MANUREWA, PUKAKI ROAD
FEATURES: CULTIVATIONS
NAMES: W. Takaanini

(SE 32)

SOURCE: DOSLI MAP NO: ML 13581 DATE: Dec
1952

TITLE: Plan of Allotment 156 Parish of Manurewa.
ABSTRACT: Registered Jan 1953. Section
boundaries, several buildings including marae.
Maori owners described in CT 221/80 and 281/147.
PLACE NAMES: MANUREWA, PUKAKI CREEK
FEATURES: MARAE, BUILDINGS, SECTION BOUNDARIES

(SE 34)

SOURCE: DOSLI MAP NO: ML 13405 DATE: Sep
1948

TITLE: Lots 196 and 197C Parish of Manurewa and
Ruaiti Road Line.
ABSTRACT: Shows sections in village, houses and
shacks, Ihumatao Village, Maori owners and roads.
PLACE NAMES: MANUREWA, RUATITI, ORUARANGI STREAM,
IHUMATAO VILLAGE, MANGERE
FEATURES: ORUARANGI STREAM, RUATITI ROAD LINE,
'FLAT LAND IN GRASS'
NAMES: Hugh Mitchell Wallace

(SE 35)

SOURCE: DOSLI MAP NO: ML 13381 DATE: Aug
1948

TITLE: Plan of Lots 157A and 157B Parish of
Manurewa.
ABSTRACT: Information on Maori ownership. File
6/18. CT 281/147 and 24/222. Shows waterfall at
head of Pukaki Creek.
PLACE NAMES: MANUREWA, PUKAKI CREEK
FEATURES: WATERFALL

(SE 36)

SOURCE: DOSLI MAP NO: RP 39

TITLE: Roll Plan 39 - Confiscation Blocks Gazetted
1865.
ABSTRACT: Boundaries of Ihumatao, Pukaki and
Mangere Confiscation Blocks Gazetted 1865. Shows
exact area of land declared confiscated, land
returned to Maori owners and land retained by the
Crown.
PLACE NAMES: IHUMATAO, PUKAKI, MANGERE

(SE 37)

SOURCE: DOSLI MAP NO: NZMS 177A Sheet N42
DATE: Oct 1964

TITLE: New Zealand Cadastral Map Auckland.

ABSTRACT: Cadastral map showing property boundaries in wider Auckland area at 1964. Parish of Manurewa property detail. Includes Faiburns O.L.C. 269A, O.L.C. 333 Puketutu Island and Clendons Grant.

PLACE NAMES: MANGERE VILLAGE, TARARATA CREEK (sic), PUKETUTU ISLAND, IHUMATAO, ORUARANGI CREEK, PUKAKI CREEK, WAOKAURI CREEK, OTAIMAKO CREEK, WIROA ISLAND, PUHINUI, CLENDON'S GRANT

(SE 38)

SOURCE: DOSLI MAP NO: NZMS 177A Sheet N47
DATE: Nov 1964

TITLE: New Zealand Cadastral Map Pukekohe.

ABSTRACT: Cadastral map showing allotment boundaries Papakura - Waikato River - Waiuku.

PLACE NAMES: PUKEKOE, PUHINUI CREEK, WEYMOUTH VILLAGE, WAIMAHIA CREEK, TAKIRANGARANGA POINT, TAKANINI'S GRANT, MANUREWA

NAMES: Takaanini

(SE 42)

SOURCE: APL NZP, C.995.1129 aj, NZ Maps 3062
DATE: 1872

TITLE: Manukau Harbour Surveyed by Commander B. Drury; Messrs H. Kerr, and P. Oke, Second Masters; A. Farmer and C. Stanley, Masters Assistants.; and W. Blackney, R.N. 1853; Corrections Dec '72'
ABSTRACT: The Admiralty London 1872. (See SE 25 for additional information; also refer to SE 51 and 50).

(SE 43)

SOURCE: APL NZP, C 995.1129 aj, NZ Maps 3063
DATE: 1846

TITLE: Manukau Harbour.

PLACE NAMES: MANUKAU, PARARAHU, OHAKO HEAD, PARATUTAI, BEACON BLUFF, NINE PIN, MAHANIHANI, RUARI POINT, TARATAUA POINT, AWITA BAY, ORUA, MAKO POINT, TE-HONO, KAURI POINT, NUTIPA, KARANGAHAPE - CORNWALLIS, KANOKI POINT, HUIA, PUKETUTU ISLAND
FEATURES: MILL, KAITARAKI BAY

(SE 45)

SOURCE: Mangere Historical Society DATE: 1908

TITLE: Manukau-Tamaki-Waiemata Canal.

ABSTRACT: Proposed canal routes. C.C. Otway is an "Engineer of Auckland". From Auckland Harbour Board publication "Proposed Waiemata-Manukau Canal".

PLACE NAMES: ONEHUNGA, MANGERE, OTAHUHU, PANMURE

FEATURES: CANAL (PROPOSED)

(SE 46)

SOURCE: Mangere Historical Society SO NO:
1016 (234) DATE: Jan 1868

TITLE: Plan of Confiscated Block Mangere.
ABSTRACT: Where is original deposited?
PLACE NAMES: MANGERE
FEATURES: SUBDIVISIONS, ROADS (not named)
NAMES: numerous

(SE 47)

SOURCE: DOSLI MAP NO: Roll Plan 16 Sheet 6
DATE: c.1860

TITLE: untitled.
ABSTRACT: This is the earliest cadastral plan of
the Mangere-South Auckland area showing Crown and
Maori owned land boundaries as at c.1860.
PLACE NAMES: MANGERE RESERVE NO.53, WEEKES ISLAND,
IHUMATAO RESERVE NO.54, PUKAKI RESERVE NO.55

(SE 49)

SOURCE: NZ Lands and Survey MAP NO: N42/8
N42/9 N47/2 N47/3 DATE: 1943

TITLE: Manurewa.

FEATURES: MAORI PA, GRAVES

(SE 50)

SOURCE: APL NZP, C. 995.1129 aj, NZ Maps 5698
DATE: 1919

TITLE: Manukau Harbour Surveyed by Commander B.
Drury; Messrs H. Kerr, and P. Oke Second Masters;
A. Farmer and C. Stanley, Masters Assistants; and
W. Blackney, R.N. 1853; Entrance Corrected from a
Survey by the Auckland Harbour Board, 1919.
ABSTRACT: The Admiralty London 1920. The Bar and
Entrance re-surveyed by Commander Sidney, Dec 1863.
South Channel corrected by Thomas Wing, Pilot and
Harbour Master 1886 and 1888. Large corrections
Dec 1872; July 1886, Oct 1890 and Dec 1894. (See
SE 25 for additional information; also refer to SE
42 and 51).
PLACE NAMES: MANUKAU

(SE 51)

SOURCE: APL NZP, C.995.1129 aj, NZ Maps 3057
DATE: 1906

TITLE: Manukau Harbour Surveyed by Commander B.
Drury; Messrs H. Kerr, and P. Oke, Second Masters;
A. Farmer and C. Stanley, Masters Assistants; and

W. Blackney, R.N. 1853.

ABSTRACT: Photocopy of original held by Alexander Turnbull Library. Size 57 x 85cm. (See SE 25 for additional information; also refer to SE 41 and 50).

(SE 129)

SOURCE: Bruce Hayward personal collection, Auckland Institute and Museum MAP NO: N41/9 and parts 42/7, 46/3 DATE: 1977

TITLE: Historic Research Map, Piha to Cornwallis.
ABSTRACT: colour copies held at ARC (Ian Lawlor) in "ARCHIVE" map hanger

PLACE NAMES: Waitakere Ranges, West Auckland, Piha, Pararaha, Waitakere Ranges, Cornwallis, Huia, Manukau

FEATURES: tracks, tramlines, bullock tracks, hauler tracks, historic roads, historic places, archaeological sites

(SE 131)

SOURCE: DOSLI, Auckland MAP NO: SO SO NO: 931B DATE: c.late 1850's

ABSTRACT: Early allotment survey of Parish of Pakuranga (includes Howick), East Tamaki and Mangere. Good early plan of Howick including 'The Village Green', Howick Church, Officers Location Lots, 'Military Reserve', Native Grant, 'Te Wharau', Early grantees shown throughout the area.

PLACE NAMES: HOWICK, PIGEON HILL, TE WHARAU, WAKAARANGA, MANGERE MOUNTAIN, TARARATA, ORUARANGI, TE WAKAHEKEHEKE, FORT RICHARD (OTAHUHU), FLAGSTAFF (OTAHUHU)

FEATURES: WAKAARANGA CREEK, CABBAGE TREE HILL, SPRINGS, SWAMP, 6 PROJECTED CANALS, OTAHUHU

(SE 132)

SOURCE: DOSLI, Auckland MAP NO: Roll Plan 31 (2 sheets) DATE: 1934 (based on earlier surveys)

TITLE: Manukau County.

ABSTRACT: Detailed cadastral map of Manukau gives O.L.C. boundaries numerous place names - early survey boundaries of the whole area. Gives boundaries of Imlay and Jackson's O.L.C., OLC 333 Puketutu Island, Maxwell and Moncuis Claim, Fairburn's O.L.C., Wairoa Purchases, Clendon's Grant, Maori land blocks in Clevedon - Hunua area.
PLACE NAMES: Numerous

(SE 133)

SOURCE: DOSLI Auckland MAP NO: SO SO NO: 689A DATE: August 1851

TITLE: Plan of six farms on the NW and SE of the road from Panmure to Howick.

ABSTRACT: Includes grantees names.

FEATURES: The White Bridge on main road Allotment 21, and Cabbage Tree Hill

(SE 134)

SOURCE: DOSLI Auckland MAP NO: SO SO NO: 689 DATE: 15 Sept 1893

TITLE: Areas and linkages of village (Howick) sections.

ABSTRACT: Allotment survey of howick, shows grantees and houses, the 'Landing', Street names, Roman Catholic Church, 'Lumber Yard', Church of England.

PLACE NAMES: HOWICK

(SE 135)

SOURCE: DOSLI Auckland MAP NO: SO SO NO: 688 - 688A (earlier plan) DATE: 1936 (copy of earlier plan G - 1860's)

TITLE: Field Plan of the Township of Howick.

ABSTRACT: Survey plan of Howick includes land owners in 1936 based on 1860's survey SO 688A

PLACE NAMES: HOWICK, PAKURANGA

FEATURES: PIGEON HILL, SPRING, WELL

(SE 136)

SOURCE: DOSLI Auckland MAP NO: SO SO NO: 937 DATE: c.1850's

TITLE: General Plan of the Pensioner Villages.

ABSTRACT: Allotment plan of Howick, Pakuranga, East Tamaki, Otahuhu, Mangere, showing military grants and grantees.

PLACE NAMES: HOWICK, 'WESTRN HEIGHTS', OTAHUHU, MANGERE

NAMES: numerous

(SE 137)

SOURCE: DOSLI Auckland MAP NO: ML SO NO: 416 DATE: 1867

TITLE: Plan of Te Wharau Block.

ABSTRACT: Survey plan of Te Wharau Maori Land Block produced for Native Land Court investigation October 1867.

PLACE NAMES: East Tamaki, Te Wharau River, Mangatu

FEATURES: 'Scoria Quarry'

(SE 138)

SOURCE: DOSLI Auckland MAP NO: Roll Plan SO NO: 67 (4 sheets) DATE: c.mid 1860's

ABSTRACT: Includes Wharekawa Block (E Hunua Ranges) and Maori settlement on the east coast. Early Crown Grantees on the W edge of the E Wairoa confiscation block, including Otau village.

(SE 139)

SOURCE: DOSLI, Auckland MAP NO: Roll Plan
SO NO: 64 (2 sheets) DATE: 1860's

TITLE: Auckland - Pukekohe Roll Plan.

ABSTRACT: Shows first allotment survey of Manukau area, includes: Crown Grantees names in Mangere - Howick, Papakura - Hunua areas; 'Military Reserve' Howick, Native Grant Pakuranga (Te Wharau) and 'Grammar School Grant', Eastern Beach

PLACE NAMES: numerous

FEATURES: Swamps in Mangere area, 'Mangerei (Mangere) Hill'

(SE 140)

SOURCE: DOSLI Auckland MAP NO: Roll Plan SO
NO: 39 (8 sheets) DATE: 1934 (based on earlier surveys)

TITLE: Manukau County.

ABSTRACT: Cadastral based on original survey blocks. An index map that shows OLD LAND CLAIMS, MAORI LANDBLOCKS, CROWN PURCHASE BLOCKS, CONFISCATION BLOCKS.

PLACE NAMES: numerous

FEATURES: numerous

(SE 141)

SOURCE: DOSLI Auckland MAP NO: ML (maori land plan) SO NO: 8570 DATE: 1912

TITLE: Plan of Mangere Native Awards.

ABSTRACT: Shows Mangere Village allotments, school site, cemetery reserve. Survey done for partition of lot 30 in 1912.

PLACE NAMES: Mangere

FEATURES: Ararata Creek

(SE 142)

SOURCE: DOSLI Auckland MAP NO: SO SO NO:
234 DATE: 1866

TITLE: Plan of Confiscated Block - Mangere.

PLACE NAMES: Mangere

FEATURES: Mangere Hill, Manukau Harbour, Ararata Creek, Landing, Spring on foreshore

(SE 143)

SOURCE: DOSLI Auckland MAP NO: SO SO NO:
1142 DATE: 1866

TITLE: Village of Mangere.
ABSTRACT: Shows maori landowners in Mangere village, 'Bridge Site'.
PLACE NAMES: Mangere

(SE 144)

SOURCE: DOSLI Auckland MAP NO: SO SO NO:
5735 DATE: 1890

TITLE: Plan of Mangere reserves.
ABSTRACT: Detailed survey of Mangere, water and quarry reserves, recreation reserve, educational reserve, allotments around Mangere Mountain cemetery reserve, recreation and water reserve. SO 5735 C + D include plan of 'Mangere Native Awards'.
PLACE NAMES: Mangere
FEATURES: Mangere Mountain and craters

(SE 145)

SOURCE: DOSLI Auckland MAP NO: ML SO NO:
14448 DATE: 1964

TITLE: Plan of Allotment 209 a3.
ABSTRACT: Land owners around what is now Te Puea Marae, Mangere. Shows Chinese landowners and marked gardeners.
PLACE NAMES: Mangere

NAMES: Ng Chang Shee, Wong Lui Yuen, Betty Wong, Wong Tan, Chan Lai Sai

(SE 146)

SOURCE: DOSLI Auckland MAP NO: SO SO NO:
238A DATE: 1.1860's

ABSTRACT: Road plan Pukaki, shows 'stockyard' and 'portage'.
PLACE NAMES: Pukaki
FEATURES: Pukaki Creek, Great Swamp

(SE 147)

SOURCE: DOSLI Auckland MAP NO: SO SO NO:
238B DATE: c.1860's

TITLE: Plan of allotment to be granted to the Bishop of New Zealand.
ABSTRACT: Shows land 'to be granted to the Bishop of New Zealand', and Wesley Mission, surrounded by native land, beside Great South Road, Papatoetoe area? to the north of Papakura Village shows forest cover on NE edge of Papakura Village.
PLACE NAMES: Great South Road

(SE 148)

SOURCE: DOSLI Auckland MAP NO: SO SO NO:
238 DATE: Aug 1866

TITLE: Plan of Papaahinu.
ABSTRACT: Map of allotments and grantees at Papaahinu in 1866. Allotments 182 - 193 Parish of Manurewa. Land to the north of the Pukaki Creek 'to be reserved for native purposes'.
PLACE NAMES: Pukaki, Papaahinu
FEATURES: Pukaki Creek, Otaimako Creek, Waokauri Creek
NAMES: Francis Claude, W T Buckland, William McLaughlin

(SE 149)

SOURCE: DOSLI Auckland MAP NO: SO SO NO: 239 DATE: c.1860

ABSTRACT: Early road survey - Papatoetoe - East Tamaki
PLACE NAMES: Otaki Creek?
FEATURES: swamps
NAMES: W Faiburn, W Lewis

(SE 150)

SOURCE: DOSLI Auckland MAP NO: SO SO NO: 307 DATE: c.1850's

ABSTRACT: Early plan of crater hill area shows 'native settlement', 'portage', 'cave', 'former Maori cemetery' beside lagoon, house stable and well on S side of lagoon, stockyard.
PLACE NAMES: Tamaki Rise, Fairburn's Hill
FEATURES: Lagoon, swamp, rich alluvial soil
NAMES: William Lewis

(SE 151)

SOURCE: DOSLI Auckland MAP NO: SO SO NO: 5210 DATE: 1889

TITLE: Plan of water reserve at Papatoetoe (Papatoitoe)
ABSTRACT: Plan of crater hill Papatoetoe, quarry and cattleyard
FEATURES: 'Cave containing human bones' on W side of crater, quarry

(SE 152)

SOURCE: DOSLI Auckland MAP NO: SO SO NO: 1122 DATE: Sept 1873

TITLE: Land dedicated to her majesty by Gillespie and others.
ABSTRACT: Road plan Papatoetoe area, 1873

(SE 153)

SOURCE: DOSLI Auckland MAP NO: SO SO NO:
1122B DATE: c.1850's

TITLE: Plan of lands in Manurewa belonging to P
Donovan Esq.

ABSTRACT: Allotment plan, Manurewa

PLACE NAMES: Manurewa

FEATURES: Manurewa (Mountain)

NAMES: McLaughlan, Mr Ligar, Mr Hunter

(SE 154)

SOURCE: DOSLI Auckland MAP NO: SO SO NO:
1122C DATE: c.18520's

TITLE: Plan of survey and subdivision of land
belonging to D J Campbell.

ABSTRACT: As in title, includes applicants for
allotments in the Papatoetoe area.

(SE 155)

SOURCE: DOSLI Auckland MAP NO: SO SO NO:
1122D

ABSTRACT: Detailed allotment survey of 'Clendon's
Grant', Puhinui - Papatoetoe, 10,000 acres.

FEATURES: Puhinui River, Browns Road

(SE 156)

SOURCE: DOSLI Auckland MAP NO: SO SO NO:
1122E DATE: c.1850's

ABSTRACT: Copies from a survey by John Kelly for W
McLaughlin (in 1897). Early survey of Puhinui
area.

FEATURES: Matakurua hill, Manurewa hill (to nie of
other hill), Pukaki River, Puhinui river, 'rush
flat', areas of 'teatree'

(SE 157)

SOURCE: DOSLI Auckland MAP NO: SO SO NO:
1122.F DATE: c.1850's

ABSTRACT: Early road and allotment survey of the
parish of Papakura, Parish of Wairoa, Parish of
Hunua and Parish of Opaheke adjoining 'Hewling's
Line'. N and E of Papakura township.

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APPENDIX 5

**PRELIMINARY LIST OF
MANUKAU CITY
HISTORIC AREAS,
BUILDINGS, OBJECTS,
PLACES AND
STRUCTURES (BY TYPE)**



Computer No: HN 937
SITE NO: R11
TYPE: AREA - CLIFFS
NAME: The Cliffs

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 13 Rangitoto View Road; Howick
STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme
SCHEME DATE: 29 Aug 1991
STATUS: Schedule 16A
NUMBER: 6
CRITERIA: Historical; Visual

KEYWORDS: CLIFFS

CHI BIBLIOGRAPHY REFERENCES: SE 1855

RECORD UPDATE: 10-Feb-1995

Computer No: HN 1802

SITE NO: S11
TYPE: AREA - CEMETERY
NAME: Ashby Graveyard

METRIC MAP SHEET: S11

LOCAL AUTHORITY: Manukau City
LOCATION: Tapapakanga Regional Park; Clevedon
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994
CRITERIA: Historic

KEYWORDS: CEMETERY; ASHBY; HISTORIC; GRAVEYARD

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 935

SITE NO: R11
TYPE: AREA - MILITARY
NAME: Stockade Hill

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: 12 Mellons Bay Road; Howick
STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;
Sep 1994
STATUS: Schedule 16A
NUMBER: 4A
CRITERIA: Historical

KEYWORDS: HILL; STOCKADE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1855; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 11

SITE NO: R11
TYPE: BUILDING - CIVIC/ BUILDING - THEATRE
NAME: Metro Theatre - Mangere East Hall

DATE RECORDED: 1989

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2673000 N6468950

LOCAL AUTHORITY: Manukau City
LOCATION: 346 Massey Road; Mangere
OWNER: Manukau City Council
ADDRESS: Private Bag Manukau City Centre
LEGAL DESCRIPTION: 1 lot 4 DP 42220 Recreation Reserve
STATE: Good

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Schedule 20A Buildings, Objects and Areas
NUMBER: 8/41
CRITERIA: Architectural; Visual

DESCRIPTION: 1. Built in 1924 as a picture theatre. Good example of art
deco architecture in a public building. Now used in conjunction with
Massey Homestead as a community hall. (See File Reference No TP
1440/368R).

ADDITIONAL NOTES: 1. 882 square metres. Brick and rough cast exterior
walls and corrugated iron roof. Mostly original structure; some
modification to doors and to the rear of the building.

NZHPT CLASSIFICATION: C

NZHPT BUILDING TYPE CODE: PB
NZHPT RECORD NUMBER: 530

KEYWORDS: HISTORIC BUILDING - HALL; THEATRE; ART DECO

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 419; SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 442

SITE NO: R11
TYPE: BUILDING - CIVIC
NAME: Pakuranga Hall

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 346 Pakuranga Road; Pakuranga
OWNER: Manukau City Council
ADDRESS: Private Bag, Manukau City

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 16/35
CRITERIA: Architectural

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: PB
NZHPT RECORD NUMBER: 5314

KEYWORDS: HALL

CHI BIBLIOGRAPHY REFERENCES: SE 1884

RECORD UPDATE: 8-Feb-1995

Computer No: HN 875

SITE NO: R11
TYPE: BUILDING - CIVIC
NAME: Alfriston Hall

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: Mill Road; Manurewa
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau

City Transitional District Plan
SCHEME DATE: 14 Apr 1993
STATUS: Schedule 20A
NUMBER: 24/19
CRITERIA: Historical

KEYWORDS: HALL

CHI BIBLIOGRAPHY REFERENCES: SE 1884

RECORD UPDATE: 9-Feb-1995

Computer No: HN 884

SITE NO: S11
TYPE: BUILDING - CIVIC
NAME: Clevedon Post Office

METRIC MAP SHEET: S11

LOCAL AUTHORITY: Manukau City
LOCATION: 2 Papakura - Clevedon Road; Clevedon
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 30/12
CRITERIA: Historical; Architectural

KEYWORDS: POST OFFICE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 938

SITE NO: R11
TYPE: BUILDING - COMMERCIAL
NAME: Kelsey's Store

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 46 Ridge Road; Howick
STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;

Sep 1994
STATUS: Schedule 16A
NUMBER: 7
CRITERIA: Historical

KEYWORDS: KELSEY; STORE; BUILDING; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1855; SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 1

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Rennie Farm Homestead

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2666780 N6466390

LOCAL AUTHORITY: Manukau City
LOCATION: 619 Oruarangi Road (Cnr Ihumatao Road); Mangere
OWNER: Moneville Farm
ADDRESS: Ihumatao Road Mangere
LEGAL DESCRIPTION: Allot 177 Manurewa Parish
STATE: Very good

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;
14 Apr 1993;

Sep 1994
STATUS: S 20A Buildings Objects and Areas
NUMBER: 3/1
CRITERIA: Architectural

DESCRIPTION: 1. The house is a particularly well kept and unaltered example of the Bay Villa style. There are two bays at right angles to each other and the decorations around the verandah are quite ornate. This is the main reason the house has been included. The house was built sometime around 1910 by the son of Mr Rennie who built the house on Renton Farm in Ihumatao Road. There are several other houses in the area built by other sons as the land was passed down to the next generation. The house can be seen clearly from Oruarangi Road.

ADDITIONAL NOTES: 1. 8.9031 ha. Original site. Weatherboard walls and an iron roof. Not accessible - private house.

NZHPT BUILDING TYPE CODE: DW

KEYWORDS: FARMHOUSE; HISTORIC BUILDING

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 2

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Rennie/Jones Homestead

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2667180 N6465950

LOCAL AUTHORITY: Manukau City
LOCATION: 198 Ihumatao Road; Mangere
OWNER: Mrs. A.M. Jones
ADDRESS: 198 Ihumatao Road Mangere
LEGAL DESCRIPTION: Pt Allot 163 Manurewa Parish
STATE: Very good

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Schedule 20A Buildings, Objects and Areas
NUMBER: 3/2
CRITERIA: Historical

DESCRIPTION: 1. The house was built in two storeys with a small verandah around the front and sides. The original iron is still used on the roof but is due for replacement in the near future. The trees on the property, including a Norfolk Pine, provide a magnificent setting for this old house. The homestead was built in 1885 by the original owner Mr Rennie, and a friend, both of whom had little or no experience in building previously. The house was later sold to a Mr Jones who was Mr Rennie's son-in-law. The present owner Mr A.M. Jones was born in the year that the house was completed.

ADDITIONAL NOTES: 1. 0.6533ha. Heart Kauri walls and original iron roof.
Altered slightly. Original site. Not accessible - private house.
NZHPT BUILDING TYPE CODE: DW

KEYWORDS: HISTORIC BUILDING; FARMHOUSE

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 5

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Abbeville Farm House and Barn

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2670120 N6465790

LOCAL AUTHORITY: Manukau City
LOCATION: 3 Nixon Road; Mangere
OWNER: Aviation Sports Club
ADDRESS: P.O. Box 2349 Auckland
(Also refer to Abbeville Farm Ltd., Nixon Road, Mangere)
LEGAL DESCRIPTION: Allots 225, 328 SO 39123 and Pt Allot 1-4 DP 23131
STATE: Very good

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Schedule 20A Buildings, Objects and Areas
NUMBER: 6/5
CRITERIA: Historical

DESCRIPTION: 1. Was originally 167 square metres but subsequent additions have increased this to 325 square metres. The additions are architecturally designed but do not include some of the decorative parts as does the old building. Abbeville Farm was the home of Colonel Marmaduke George Nixon, who was in command of the Colonel Defence Force and the Royal Cavalry Volunteers. The Colonel died in 1864 and a memorial to him stands in Otahuhu. The large barn associated with the house is probably older than the house and has been a landmark in the area for many years. The house now stands behind some trees at the end of Nixon Road; visibility is reduced.

ADDITIONAL NOTES: 1. 48.3564ha. Constructed 1854 with additions in 1960. Pit sawn weatherboard walls and iron roof. Original site. Occupier L.P. Collinson. Not accessible - private house. Subject to relocation when designated work is constructed.

NZHPT CLASSIFICATION: D
NZHPT BUILDING TYPE CODE: DW
NZHPT RECORD NUMBER: 2645

KEYWORDS: HISTORIC BUILDING; HOUSE; BARN

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 419; SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 6

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Franklynne - Massey Homestead

METRIC MAP SHEET: R11

METRIC GRID REFERENCE: E2673000 N6469100

LOCAL AUTHORITY: Manukau City
LOCATION: 351 Massey Road; Mangere
OWNER: Manukau City Council
ADDRESS: Private Bag Manukau City
LEGAL DESCRIPTION: Lot 3 DP 85624 Recreation Reserve
STATE: Fair

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Schedule 20A Buildings, Objects and Areas
NUMBER: 8/18
CRITERIA: Historical; Architectural

DESCRIPTION: 1. Franklynne, the home of the Rt Hon William Ferguson Massey, Prime Minister of New Zealand from 1912-25, was built in 1825-53 by a pioneer timber merchant and land owner, Dan Lynch. Franklynne was used as a hunting lodge by Prince Albert during his visit in 1869. In 1890 the house and 17 acres of land were purchased by Massey, and has remained in his family until recently. The name Franklynne, was derived from Franklin, the electorate which W.F. Massey represented for nearly all of the 30 years he was in the House of Representatives. The house has now been purchased by the Manukau City Council and has been restored for use as a Community Cultural Centre.

ADDITIONAL NOTES: 1. 0.9208ha. Made of imported red bricks and slates. Native timber was also used extensively in the house.

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: CV
NZHPT RECORD NUMBER: 685

KEYWORDS: HISTORIC BUILDING; HOUSE

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 419; SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 8

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Waterlea Homestead

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2668450 N6471740

LOCAL AUTHORITY: Manukau City
LOCATION: 10 Ambury Road; Mangere Bridge; Mangere

OWNER: R.G. M. Fenwick
ADDRESS: Waterlea Ambury Road Mangere Bridge
LEGAL DESCRIPTION: Lot 4 DP 68846 Lot 7 DP 76851
STATE: Good

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;

14 Apr 1993;

Sep 1994

STATUS: Schedule 20A Buildings, Objects and Areas

NUMBER: 4/2

CRITERIA: Historical; Architectural

DESCRIPTION: 1. This building is architecturally significant in that it is one of a few concrete buildings built in the city. The site also contains a concrete barn with curved roof and an impressive concrete gate. Waterlea was built in 1885 by J. E. Taylor, a civil engineer. His greatest claim to fame is that he was the first designer of a canal to join the Manukau Harbour and the Tamaki River as a method of generating electricity. He went so far as to make test bores along the route between the two harbours. Later on Taylor became chairman of the Mangere Roads Board and the Mangere Domain Board. The house is now the residence of Rt. Hon. David Lange M.P. (Prime Minister 1984-89)

ADDITIONAL NOTES: 1. 0.3594ha. 8 inch concrete walls and an iron roof date to 1885. Unaltered and original site. Not accessible - private House.

NZHPT BUILDING TYPE CODE: DW

KEYWORDS: HISTORIC BUILDING; HOUSE; BARN

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 419; SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 9

SITE NO: R11

TYPE: BUILDING - DWELLING

NAME: Central Mangere School (former) and Schoolhouse

METRIC MAP SHEET: R11

METRIC GRID REFERENCE: E2670160 N6467910

LOCAL AUTHORITY: Manukau City

LOCATION: 299 Kirkbride Road; Mangere; (?Also refer 290 Kirkbride Road)

OWNER: Manukau City Council

ADDRESS: Private Bag Manukau City Centre

LEGAL DESCRIPTION: Allot 364 Parish of Manurewa and Pt Allot 74 SO 46259

STATE: Fair

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter - (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Schedule 20A Buildings, Objects and Areas
NUMBER: 5/16
CRITERIA: Historical; Architectural

DESCRIPTION: 1. The design of the school house is unusual, in that the front is based on a normal cottage style, yet the rear consists of two gables both at right angles to the front. The old Woodside School in Kerrs Road, is very similar. The school itself is typical of the era and closely resembles the old Pakuranga School, now at the Colonial Village at Lloyd Elsmore Park. The school and house were built sometime near 1880, and were designed to serve the needs of the Central Mangere area. The Prime Minister of New Zealand from 1912-25, W.F. Massey, was a member of the school board, several pupils also became members of Parliament. The school was closed in 1964, and now provides the scouts in the area with a hall. The house is used as a social service centre. It is possible that the house will be restored for the use of the community.

ADDITIONAL NOTES: 1. 1.2141ha. Weatherboard exterior walls and an iron roof. Scout Hall and social service centre. Accessible through the Mangere Community Cultural Centre. Unaltered - original site.

NZHPT CLASSIFICATION: D
NZHPT BUILDING TYPE CODE: CV
NZHPT RECORD NUMBER: 2656

KEYWORDS: HISTORIC BUILDING; SCHOOL; SCHOOL HOUSE

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 419; SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 12

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Westney Road House

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: George Bolt Memorial Drive; Mangere
OWNER: A.W. Westney
ADDRESS: P.O. Box 2103 Auckland 1
LEGAL DESCRIPTION: Lot 1 DP 57642
STATE: Poor

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989

STATUS: R

DESCRIPTION: 1. Westney House was built in 1855 by William Westney after he migrated to New Zealand in 1844. Mr Westney donated the land on which the small Methodist Church is located, not far from where the house now stands (see BUILDING.DAT HN 10). He also became secretary of the Mangere School Committee. His son, William Jnr. became a Sunday School Teacher and was heavily involved in the early Mangere Community. He was for a time the chairman of the Roads Board, School Committee, and the Auckland A & P Association.

ADDITIONAL NOTES: 1. 24.8999ha. Weatherboard exterior walls and an iron roof. The house has been altered to such a great extent that most of its architectural value has been lost. Substantial additions and alterations have taken place in the interior and exterior. Original site. Not accessible - private house. Occupier Mr Larsen

KEYWORDS: FARMHOUSE; HISTORIC HOUSE; HOUSE

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 13

SITE NO: R11

TYPE: BUILDING - DWELLING

NAME: Scott Homestead

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: Scott Road; Mangere

OWNER: BNZ Provident Fund

ADDRESS: P.O. Box 2392 Wellington

LEGAL DESCRIPTION: lot 1 DP 84012

STATE: DESTROYED

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme

SCHEME DATE: 25 May 1989

STATUS: R

DESCRIPTION: 1. Mr Scott built the house in 1862. He was granted 170 acres of land after serving in the Waikato War. The homestead was built on this land and constructed using heavy kauri. The homestead was purchased in 1938 by James Scott, the son of the builder. In has since had several owners including a Mr H.K. Anderson. A cannon ball, poop gun balls and various Maori weapons have been found on the property. The homestead had a number of alterations which made it difficult to recognise the original design. The house was demolished in 1979.

ADDITIONAL NOTES: 1. 5.7618ha. Heart kauri weatherboard walls and an iron roof. Original site. Not accessible - (was) a private house.

KEYWORDS: HISTORIC BUILDING

CHI BIBLIOGRAPHY REFERENCES: SE 348

RECORD UPDATE: 8-Feb-1995

Computer No: HN 14

SITE NO: R11

TYPE: BUILDING - DWELLING

NAME: Barrow House

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: 49 Church Road; Mangere Bridge; Mangere

OWNER: A.N. Taylor

ADDRESS: 49 Church Road Mangere

LEGAL DESCRIPTION: Lot 2 DP 74479

STATE: Good; restored

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;

Sep 1994

STATUS: R

DESCRIPTION: 1. Very little of the original house is left. A new portion was built in the 1860's and the initial part burnt down in 1970. Fortunately it was rebuilt using demolition timber to the original specifications. Bluestone boulders function as foundation stones for the two-storey section of the house built in 1860. In 1841, John Logan Campbell built a cottage in Brighton Road, Parnell, similar to Acasia Cottage, now in Cornwall Park. During the 1860's the cottage was moved to Mangere Bridge where a two-storey section was added to one side. This is the house that now stands in Church Road. At this stage the house was owned by a Mr Dickey, and is still in the same family today. The present owner is also related to the Rennies of Renton Farm, and the Taylors who built Waterlea in Ambury Road.

ADDITIONAL NOTES: 1. 0.2843ha. Constructed 1841 with modification in 1860's and 1970. Kauri weatherboard exterior walls and an iron roof. Not accessible - private house.

KEYWORDS: HISTORIC HOUSE; HOUSE

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 419; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 16

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Hastie Home

DATE RECORDED: 5 Sep 1989
REPORTED BY: Mrs H. Alford

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 64 Mountain Road; Mangere Bridge; Mangere
OWNER: L. Peter Holdings Limited
ADDRESS: 64 Mountain Road Mangere Bridge

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;
Sep 1994

STATUS: P

CRITERIA: Architectural

DESCRIPTION: 1. Built during World War I. Home until recently of one of
the early Mangere families.

KEYWORDS: HISTORIC HOUSE

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 17

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: The Oaks - Wallace Home

DATE RECORDED: 5 Sep 1989
REPORTED BY: Mrs. H. Alford

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 100 Wallace Road; Mangere Bridge; Mangere
ADDRESS: 100 Wallace Road Mangere

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;
Sep 1994

STATUS: P

CRITERIA: Architectural; Historical

DESCRIPTION: 1. Built by James Wallace and an early Mangere settler.

KEYWORDS: HISTORIC HOUSE

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 18

SITE NO: R11
TYPE: BUILDING - DWELLING

DATE RECORDED: 5 Sep 1989
REPORTED BY: Mrs. H. Alford

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 43 Church Street; Mangere Bridge; Mangere
OWNER: T.R. and J.D. Dunningham
ADDRESS: 43 Church Street Mangere Bridge
LEGAL DESCRIPTION: Lot 1 DP 30445

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;

Sep 1994

STATUS: P

CRITERIA: Historical

NZHPT BUILDING TYPE CODE: DW

KEYWORDS: HISTORIC HOUSE; FENCIBLE COTTAGE

RECORD UPDATE: 8-Feb-1995

Computer No: HN 19

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Margett's Home

DATE RECORDED: 5 Sep 1989

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 10 Domain Road; Mangere Bridge; Mangere
OWNER: L.A.B. & M.B. Hannafor
ADDRESS: Domain Road Mangere Bridge
LEGAL DESCRIPTION: Pt Allot 207 Mangere Suburbs
STATE: Good

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;
Sep 1994
STATUS: P
CRITERIA: Historical; Architectural

DESCRIPTION: 1. The home is shown in photographs taken by surveyor T.
Boscawen (in Auckland Museum).
NZHPT BUILDING TYPE CODE: DW

KEYWORDS: HISTORIC HOUSE

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 357; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 20

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Ambury House

DATE RECORDED: 5 Sep 1989
REPORTED BY: Mrs. H. Alford

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 8 Wallace Road; Mangere Bridge; Mangere
OWNER: Mr. A. Laurensen
ADDRESS: 8 Wallace Road Mangere Bridge
LEGAL DESCRIPTION: Lot 1 DP 31626

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
Sep 1994
STATUS: P
CRITERIA: Historical

DESCRIPTION: 1. Original wood panneling and old chimney. Historically
connected with the Ambury Milk Factory.

KEYWORDS: HISTORIC HOUSE; HOUSE

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 21

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: 'Old House'

DATE RECORDED: 5 Sep 1989
REPORTED BY: Mrs H. Alford

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 32 McIntyre Road; Mangere Bridge; Mangere
LEGAL DESCRIPTION: Lot 8 DP 36057

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;
Sep 1994

CRITERIA: Architectural

ADDITIONAL NOTES: 1. (More information is being gathered)
NZHPT BUILDING TYPE CODE: DW

KEYWORDS: HISTORIC HOUSE; HOUSE

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 427

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Bell House

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 2 Bells Road; Lloyd Elsmore Park; Pakuranga
OWNER: NZHPT Administration/Howick Historical Society
ADDRESS: P.O.Box 38-105, Howick

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;
Sep 1994

STATUS: Schedule 20A

NUMBER: 16/27

CRITERIA: Historical; Architectural

ADDITIONAL NOTES: 1. Previous Classification-C

NZHPT CLASSIFICATION: B
NZHPT BUILDING TYPE CODE: DW
NZHPT RECORD NUMBER: 125

KEYWORDS: RESTAURANT; HOUSE

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 429

TYPE: BUILDING - DWELLING
NAME: Brickell Homestead

LOCAL AUTHORITY: Manukau City
LOCATION: 174 Ridge Road; Howick
OWNER: Mr. and Mrs. N. Baker
ADDRESS: 174 Ridge Road, Howick, Auckland

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: DW
NZHPT RECORD NUMBER: 5263

KEYWORDS: HOUSE

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 430

TYPE: BUILDING - DWELLING
NAME: Buckland's Cottage

LOCAL AUTHORITY: Manukau City
LOCATION: 130 Buckland's Beach Road; Howick
OWNER: B. and D. Robinson
ADDRESS: 130 Buckland's Beach Road, Howick, Auckland

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: DW
NZHPT RECORD NUMBER: 5268

KEYWORDS: HOUSE; BUCKLAND

RECORD UPDATE: 8-Feb-1995

Computer No: HN 431

TYPE: BUILDING - DWELLING
NAME: Captain J. Irvines Homestead

LOCAL AUTHORITY: Manukau City
LOCATION: 40 Ridge Road; Howick

OWNER: Mr. Phillip and Jill Pritchard
ADDRESS: 40 Ridge Road, Howick, Auckland

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: DW
NZHPT RECORD NUMBER: 5267

KEYWORDS: House; Cpt Irvine; Historic

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 434

TYPE: BUILDING - DWELLING
NAME: Crawford House

LOCAL AUTHORITY: Manukau City
LOCATION: 4 Picton Street; Howick
OWNER: Dr. Greenfield
ADDRESS: 4 Picton Street, Howick

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1944

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: DW
NZHPT RECORD NUMBER: 5260

KEYWORDS: HOUSE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 435

TYPE: BUILDING - DWELLING
NAME: Fitzpatricks Cottage

LOCAL AUTHORITY: Manukau City
LOCATION: 193 Gills Road; Pakuranga
OWNER: Mr. W.S. Francis
ADDRESS: Pigeon Mountain Motors, Gills Road, Pakuranga

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: DW

NZHPT RECORD NUMBER: 5262

KEYWORDS: HOUSE; FITZPATRICK; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 436

SITE NO: R11

TYPE: BUILDING - DWELLING

NAME: Guys Homestead

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: 333 Ti Rakau Drive; East Tamaki; Otara

OWNER: Manukau City Council

ADDRESS: Private Bag, Manukau City

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994

STATUS: Schedule 20A

NUMBER: 17/22

CRITERIA: Historical

NZHPT CLASSIFICATION: C

NZHPT BUILDING TYPE CODE: DW

NZHPT RECORD NUMBER: 5261

KEYWORDS: HOMESTEAD; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 437

TYPE: BUILDING - DWELLING

NAME: House

LOCAL AUTHORITY: Manukau City

LOCATION: Ihumatao Road, Mangere

OWNER: Mr.C.L.Jones

ADDRESS: 145 Ihumatao Road, Mangere

NZHPT CLASSIFICATION: C

NZHPT BUILDING TYPE CODE: DW

NZHPT RECORD NUMBER: 686

KEYWORDS: HOUSE

RECORD UPDATE: 29-Mar-1994

Computer No: HN 439

SITE NO: R11

TYPE: BUILDING - DWELLING

NAME: McNichol Homestead

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: 12 McNichol Road; Clevedon

OWNER: McNichol Trust Inc.

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994

STATUS: Schedule

NUMBER: 30/7

CRITERIA: Historical; Architectural

DESCRIPTION: 1. Homestead has a haha (a ditch acting as a boundary fence)
protecting the gardens from stock grazing.

NZHPT CLASSIFICATION: C

NZHPT BUILDING TYPE CODE: DW

NZHPT RECORD NUMBER: 687

KEYWORDS: HOMESTEAD; MCNICHOL; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1748; SE 1884; SE 221

RECORD UPDATE: 8-Feb-1995

Computer No: HN 449

SITE NO: R11

TYPE: BUILDING - DWELLING

NAME: White Homestead

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: 95 Glenmore Road; Pakuranga

OWNER: Mrs.E.White

ADDRESS: 95 Glenmore Road, Pakuranga

STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: Sep 1994

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: DW
NZHPT RECORD NUMBER: 5265

KEYWORDS: HOUSE; HISTORIC; WHITE

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 450

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: William Grangers House

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 2 Trig Road; Whitford; Clevedon
OWNER: Mr. and Mrs. J. Ranum
ADDRESS: 2 Trig Road, Whitford, R.D.1, Howick
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: DW
NZHPT RECORD NUMBER: 5304

KEYWORDS: HOUSE; GRANGER; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 861

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Willowbank Cottage

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 459 East Tamaki Road; Otara
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;

Sep 1994
STATUS: Schedule 20A
NUMBER: 17/23
CRITERIA: Historic

KEYWORDS: COTTAGE; WILLOWBANK; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 870

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Nathan Homestead

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 68 Hill Road; Manurewa
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 19/24
CRITERIA: Visual; Architectural

KEYWORDS: HOMESTEAD; NATHAN

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 873

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Gibbon House

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 21 Gibbons Road; Weymouth; Manurewa
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;

Sep 1994
STATUS: Schedule 20A
NUMBER: 14/20
CRITERIA: Historical; Architectural

KEYWORDS: HOUSE; HISTORIC; GIBBON

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 876

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Chapman Taylor House

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 188 Ranfurly Road; Manurewa
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994

STATUS: Schedule 20A
NUMBER: 24/22
CRITERIA: Architectural; Visual

KEYWORDS: HOUSE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 877

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Hawthorne Dene

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 280 Botany Road; Howick
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994
STATUS: Schedule 20A
NUMBER: 22/2
CRITERIA: Historical; Architectural

KEYWORDS: HOUSE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 879

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: McMillan Homestead

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 159 Bleakhouse Road; Howick
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994

STATUS: Schedule 20A
NUMBER: 21/15
CRITERIA: Historical; Architectural

KEYWORDS: HOMESTEAD; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 880

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Stevens Homestead

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 185 Bleakhouse Road; Howick
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994
STATUS: Schedule 20A
NUMBER: 21/18
CRITERIA: Historical; Architectural

KEYWORDS: HOMESTEAD; HISTORIC; WELL; BARN

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 882

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Meadow Brook Homestead
RECORD STATUS: HISTORIC

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 320 Twilight Road; Brookby; Clevedon
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 37/4
CRITERIA: Historical; Architectural

KEYWORDS: HOMESTEAD

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 885

SITE NO: S11
TYPE: BUILDING - DWELLING
NAME: Paton Homestead

METRIC MAP SHEET: S11

LOCAL AUTHORITY: Manukau City
LOCATION: 240 McNichol Road; Clevedon
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 30/16
CRITERIA: Historical

KEYWORDS: HOMESTEAD; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 886

SITE NO: S11
TYPE: BUILDING - DWELLING
NAME: Quinn's Cottage

METRIC MAP SHEET: S11

LOCAL AUTHORITY: Manukau City
LOCATION: 32 Quinn's Road; Clevedon
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 30/18
CRITERIA: Visual; Architectural

KEYWORDS: COTTAGE

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 888

SITE NO: S11
TYPE: BUILDING - DWELLING
NAME: Duder Homestead

METRIC MAP SHEET: S11

LOCAL AUTHORITY: Manukau City
LOCATION: 933 North Road; Umupui Beach; Clevedon
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 38/9
CRITERIA: Visual

KEYWORDS: HOMESTEAD; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 932

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Shamrock Cottage

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 73 Selwyn Road; Howick
STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;
Sep 1994
STATUS: Schedule 16A
NUMBER: 2
CRITERIA: Historical

KEYWORDS: COTTAGE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1855; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 933

SITE NO: R11
TYPE: BUILDING-DWELLING
NAME: Keppoch Lodge
RECORD STATUS HISTORIC

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 1 Tanglewood Place; Howick
STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;

Sep 1994
STATUS: Schedule 16A
NUMBER: 3
CRITERIA: Historical

KEYWORDS: KEPPOCH; LODGE

CHI BIBLIOGRAPHY REFERENCES: SE 1855; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 934

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Fencible Cottage

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 34 Abercrombie Street; Howick
STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 29 Aug 1991;

Sep 1994

STATUS: Schedule 16A
NUMBER: 4
CRITERIA: Historical

KEYWORDS: COTTAGE; FENCIBLE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1855; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 939

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Owhango House

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: Shelley Beach Parade; Howick
STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 29 Aug 1991;

Sep 1994

STATUS: Schedule 16A

NUMBER: 8
CRITERIA: Historical

KEYWORDS: HOUSE; OWHANGO; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1855; SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 944

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Papahinu

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: Puhinui Road; Manurewa
STATE: Not known

DISTRICT SCHEME: Papatoetoe City Second Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 29 Apr 1986;
Sep 1994

STATUS: Schedule
NUMBER: 2
CRITERIA: Historical

DESCRIPTION: 1. Built in 1868

KEYWORDS: HOUSE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1869; SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 945

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Watson Homestead

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 6 Watson Place; Papatoetoe
STATE: Not known

DISTRICT SCHEME: Papatoetoe City Second Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 29 Apr 1986;
Sep 1994

STATUS: Schedule

NUMBER: 3
CRITERIA: Historical

KEYWORDS: HOMESTEAD; WATSON; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1869; SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 1797

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Ambrose Trust Cottage

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 541 Whitford Road; Clevedon
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994
CRITERIA: Historic

KEYWORDS: HOUSE; AMBROSE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 1798

SITE NO: S11
TYPE: BUILDING - DWELLING
NAME: "Lismore" McCallum Family Homestead

METRIC MAP SHEET: S11

LOCAL AUTHORITY: Manukau City
LOCATION: 914 Clevedon - Kawakawa Road; Clevedon
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994
CRITERIA: Historic

KEYWORDS: LISMORE; HOUSE; McCALLUM; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 1799

SITE NO: S11
TYPE: BUILDING - DWELLING
NAME: Cashmore House

METRIC MAP SHEET: S11

LOCAL AUTHORITY: Manukau City
LOCATION: 389 Kawakawa - Orere Road; Clevedon
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994
CRITERIA: Historic

KEYWORDS: CASHMORE; HOUSE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 1800

SITE NO: S11
TYPE: BUILDING - DWELLING
NAME: "Freshwater"; Stoddard House

METRIC MAP SHEET: S11

LOCAL AUTHORITY: Manukau City
LOCATION: 1483 Clevedon - Kawakawa Road; Clevedon
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994
CRITERIA: Historic

KEYWORDS: FRESHWATER; STODDARD HOUSE; HOUSE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 1801

SITE NO: S11
TYPE: BUILDING - DWELLING
NAME: Ashby Homestead

METRIC MAP SHEET: S11

LOCAL AUTHORITY: Manukau City
LOCATION: Tapapakanga Regional Park; Clevedon
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draaft Heritage Chapter (7)
SCHEME DATE: Sep 1994
CRITERIA: Historic

KEYWORDS: ASHBY; HOUSE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 1804

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Murphy Homestead

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 89 Flatbush School Road; Otara
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994
CRITERIA: Historic

KEYWORDS: MURPHY; HOUSE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 1806

SITE NO: R11
TYPE: BUILDING - DWELLING
NAME: Dairy Factory Managers Cottage

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 508 East Tamaki Road, Otara
CRITERIA: Historic

KEYWORDS: HOUSE (HISTORIC); DAIRY FACTORY

CHI BIBLIOGRAPHY REFERENCES: SE 2211

Computer No: HN 3

SITE NO: R11
TYPE: BUILDING - ECCLESIASTICAL
NAME: St James Church (Anglican)

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2669450 N6471740

LOCAL AUTHORITY: Manukau City
LOCATION: 39 Church Road; Mangere Bridge; Mangere
OWNER: Anglican Church
ADDRESS: P.O. Box 37-242 Parnell Auckland
LEGAL DESCRIPTION: Balance of land occupied by church and church hall.
STATE: Very good

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Schedule 20A Buildings, Objects and Areas
NUMBER: 4/7
CRITERIA: Historical; Architectural; Visual

DESCRIPTION: 1. The only surviving Selwyn stone church. Made of dressed volcanic stone quarried from Mangere Mountain (1849-1859) and brought down to the building site by cart or on workers' backs. The arch and door tops are brick rather than stone because of the ease of construction. The idea of the church was originally conceived in 1849 when Governor Grey donated the land but it was not finished until ten years later. The design for the building came from Dr Purchas who was the vicar of St Peters in Onehunga. The fund for the construction of the church was started by a gift from Bishop Selwyn. The unique nature of this church makes it an outstanding feature of this area.

ADDITIONAL NOTES: 1. Dressed volcanic stone walls and new slate roof and windows. Modifications 1917, 1928 and 1974. Occupier St James Parish Church. Open each day

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: EC
NZHPT RECORD NUMBER: 689

KEYWORDS: CHURCH; GRAVEYARD

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 419; SE 1884; SE 2211

RECORD UPDATE: 29-Mar-1994

Computer No: HN 4

SITE NO: R11

TYPE: BUILDING - ECCLESIASTICAL
NAME: Mangere Presbyterian Church and Cemetery

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2670000 N6468100

LOCAL AUTHORITY: Manukau City
LOCATION: 254 Kirkbride Road; Mangere Central; Mangere
OWNER: Presbyterian Church Trustees
ADDRESS: Regional Office, 83 Khyber Pass Road Auckland
(Also refer to C/- C.A.A. Armitage 34 Staverton Cres Mangere)
LEGAL DESCRIPTION: Pt Allot 5 DP 43064 and Pt Allot 70 Manurewa Parish
STATE: Very good

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Schedule 20A Buildings, Objects and Areas
NUMBER: 5/14
CRITERIA: Historical

DESCRIPTION: 1. Constructed in 1874 for 220 pounds. Built on an acre of
land donated by Mr Robert Wallace. Prominant members were former
Prime Minister W.F. Massey and the Rev Kirkbride. A striking feature
of the church grounds are two large Norfolk Island Pines that are
situated at the front of the building that are a landmark of the area
(See file TREE.DAT record HN 1). The difference in heights of the two
trees are considered to be the result of a young boy and an axe when
the trees were small. The church is still active.

ADDITIONAL NOTES: 1. 0.0809ha. Vertical weatherboard walls and battens
and a steeply pitched iron-clad roof. Original site. Hall added at
rear 1956. Painted 1978-79.

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: EC

KEYWORDS: CHURCH - PRESBYTERIAN; HISTORIC BUILDING; GRAVEYARD

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 419; SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 7

SITE NO: R11
TYPE: BUILDING - ECCLESIASTICAL
NAME: Selwyn Church (Anglican)

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2673140 N6469110

LOCAL AUTHORITY: Manukau City
LOCATION: 7 Hain Avenue; Mangere
OWNER: Anglican Church
ADDRESS: P.O. Box 37-242 Parnell Auckland
(Also refer to Mrs H. Alford 24 Driver Road Mangere East)
LEGAL DESCRIPTION: Allots 18 and 30 DP 20494
STATE: Very good

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Schedule 20A Buildings, Objects and Areas
NUMBER: 8/19
CRITERIA: Historical; Architectural

DESCRIPTION: 1. This church is one of three Selwyn Churches in the City. The wall framing is concealed, where in the earlier Selwyn style the curved members were left exposed, as in the chapel of St Jones College. The church was originally constructed in Otahuhu in 1863 and named Holy Trinity Church. The church was probably designed at St Jones College and was dedicated by Bishop Selwyn. The bell, once in the church, came from a church near Russell, at a cost of 43 pounds. In 1928 the church was transported to Mangere East where it is still in regular use today. When the shift was made several alterations took place, one of these being the shortening of the spire, which directs interest to the church itself.

ADDITIONAL NOTES: 1. 0.2036ha. Vertical weatherboard walls and an iron roof.

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: EC
NZHPT RECORD NUMBER: 691

KEYWORDS: HISTORIC BUILDING; CHURCH - ANGLICAN; CHURCH - SELWYN

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 419; SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 10

SITE NO: R11
TYPE: BUILDING - ECCLESIASTICAL
NAME: Westney Road Methodist Church

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2669260 N6466050

LOCAL AUTHORITY: Manukau City
LOCATION: 227 George Bolt Memorial Drive (Cnr Ihumatao Road); Mangere

OWNER: Westney Road Methodist Trustees
ADDRESS: C/- 1 Waterview Road mangere
LEGAL DESCRIPTION: Pt Allot 60 Manurewa Parish
STATE: Fair

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Schedule 20A Buildings Objects and Areas
NUMBER: 6/4
CRITERIA: Historical

DESCRIPTION: 1. This church, like so many others within the city, is small with a steeply pitched roof. The building originally had shingles on the roof, but these were replaced with iron in 1924. The church was opened on a fine day in 1856 on a section of land donated by a neighbouring farmer, Mr W. Westney (see BUILDING.DAT HN 12). The sum for construction of the building was 100 pounds. In 1887 the church was considered too small for the growing congregation and it was lengthened twelve feet. A vestry was also built on the west side at this time. The original front porch of the church was intended to be flat-roofed, but a shingle-covered gable roof was decided upon when the lead for the roof was stolen by Maori wanting to make bullets. The church is still used today.

ADDITIONAL NOTES: 1. 0.8094ha. Constructed c.1856 and modified 1887.
Original sites. Services still held - Maori Evangelical Fellowship.
NZHPT BUILDING TYPE CODE: EC

KEYWORDS: HISTORIC BUILDING; CHURCH - METHODIST; GRAVEYARD; GRAVES

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 419; SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 441
TYPE: BUILDING - ECCLESIASTICAL
NAME: Old All Saints Church (Anglican) and Churchyard
LOCAL AUTHORITY: Manukau City
LOCATION: 9 Selwyn Road; Howick
OWNER: The Chairman of the Vestry
ADDRESS: Old All Saints Church, Selwyn Road, Howick

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;
Sep 1994
STATUS: Schedule 16A
NUMBER: 1
CRITERIA: Historical; Architectural; Visual

ADDITIONAL NOTES: 1. Previous Classification-C

NZHPT CLASSIFICATION: A
NZHPT BUILDING TYPE CODE: EC
NZHPT RECORD NUMBER: 11

KEYWORDS: CHURCH

CHI BIBLIOGRAPHY REFERENCES: SE 1855; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 445

SITE NO: R11
TYPE: BUILDING - ECCLESIASTICAL
NAME: St.James Church (Anglican)

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: Church Road; Ardmore; Manurewa
OWNER: Anglican Church
ADDRESS: P.O.Box 37-242, Parnell

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan

SCHEME DATE: 14 Apr 1993;
14 Apr 1993

STATUS: Schedule 20A
NUMBER: 37/17
CRITERIA: Historical; Architectural

NZHPT CLASSIFICATION: D
NZHPT BUILDING TYPE CODE: EC
NZHPT RECORD NUMBER: 2657

KEYWORDS: CHURCH

CHI BIBLIOGRAPHY REFERENCES: SE 1884

RECORD UPDATE: 9-Feb-1995

Computer No: HN 862

SITE NO: R11
TYPE: BUILDING - ECCLESIASTICAL
NAME: Saint Johns Church

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 328 East Tamaki Road; Otara
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 18/3
CRITERIA: Historical; Architectural; Visual

KEYWORDS: CHURCH; SAINT JOHN; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 864

SITE NO: R11
TYPE: BUILDING - ECCLESIASTICAL
NAME: Saint Pauls Church (Anglican)

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 201 Chapel Road; Otara
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 18/18
CRITERIA: Historical; Architectural

KEYWORDS: CHURCH

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 871

SITE NO: R11
TYPE: BUILDING - ECCLESIASTICAL
NAME: Saint Davids Church (Anglican)

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 813 Great South Road; Manurewa
OWNER: Anglican Church
ADDRESS: P.O. Box 37-242, Parnell
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 19/33
CRITERIA: Historical; Architectural; Visual

ADDITIONAL NOTES: 1. Previous classified D

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: EC
NZHPT RECORD NUMBER: 688

KEYWORDS: CHURCH; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 872

SITE NO: R11
TYPE: BUILDING - ECCLESIASTICAL
NAME: Christ Church (Anglican)

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: Alfriston Road; Alfriston; Manurewa
OWNER: Anglican Church
ADDRESS: P.O. Box 37-242, Parnell
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan
SCHEME DATE: 14 Apr 1993
STATUS: Schedule 20A
NUMBER: 37/21
CRITERIA: Historical; Architectural; Visual

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: EC
NZHPT RECORD NUMBER: 683

KEYWORDS: CHURCH

CHI BIBLIOGRAPHY REFERENCES: SE 1884

RECORD UPDATE: 9-Feb-1995

Computer No: HN 874

SITE NO: R11
TYPE: BUILDING - ECCLESIASTICAL
NAME: Saint Lukes Church

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 1 Russell Road; Manurewa
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 20/2
CRITERIA: Historical

KEYWORDS: CHURCH; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 881

SITE NO: S11
TYPE: BUILDING - ECCLESIASTICAL
NAME: All Souls Church

METRIC MAP SHEET: S11

LOCAL AUTHORITY: Manukau City
LOCATION: 45 North Road; Clevedon
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 30/4
CRITERIA: Historical; Architectural; Visual

KEYWORDS: CHURCH; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 883

SITE NO: S11
TYPE: BUILDING - ECCLESIASTICAL
NAME: Te Tokotoru Tapu Church
RECORD STATUS: HISTORIC; MAORI

METRIC MAP SHEET: S11

LOCAL AUTHORITY: Manukau City
LOCATION: 909 Clevedon-Kwawkawa Road; Clevedon
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 39/1
CRITERIA: Historical; Architectural

KEYWORDS: CHURCH

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 887

SITE NO: S11
TYPE: BUILDING - ECCLESIASTICAL
NAME: Brookby Unsectarian Church

METRIC MAP SHEET: S11

LOCAL AUTHORITY: Manukau City
LOCATION: 367 Brookby Road; Clevedon
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 37/7
CRITERIA: Historical

KEYWORDS: CHURCH; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 946

SITE NO: R11
TYPE: BUILDING - ECCLESIASTICAL
NAME: Saint Saviours Chapel

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 80 Wylie Road; Papatoetoe
STATE: Not known

DISTRICT SCHEME: Papatoetoe City Second Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 29 Apr 1986;

Sep 1994

STATUS: Schedule

NUMBER: 4

CRITERIA: Historical

DESCRIPTION: 1. Built in 1918

KEYWORDS: CHAPEL; CHURCH; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1869; SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 433

SITE NO: R11
TYPE: BUILDING-EDUCATIONAL
NAME: Community Centre (Formerly Old Flatbush School)

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 160 Murphy's Road; Flat Bush; Otara
OWNER: Manukau City Council
ADDRESS: Private Bag, Manukau City

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994

STATUS: Schedule 20A

NUMBER: 23/3

CRITERIA: Historical; Architectural

NZHPT CLASSIFICATION: D

NZHPT BUILDING TYPE CODE: CV

NZHPT RECORD NUMBER: 2655

KEYWORDS: SCHOOL; MURPHY

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 867

SITE NO: R11

TYPE: BUILDING - EDUCATIONAL

NAME: Manukau Polytechnic North Campus Administration Building

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: 53 Otara Road; Otara

STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994

STATUS: Schedule 20A

NUMBER: 18/9

CRITERIA: Architectural

KEYWORDS: POLYTECHNIC; BUILDINGS

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 878

SITE NO: R11

TYPE: BUILDING-EDUCATIONAL

NAME: Old Pakuranga School House

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: 500 Pakuranga Road; Pakuranga

STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994

STATUS: Schedule 20A

NUMBER: 16/13

CRITERIA: Historical; Architectural

KEYWORDS: SCHOOL; HOUSE

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 1805

SITE NO: R11

TYPE: BUILDING - EDUCATIONAL

NAME: Baverstock Road School

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: 16 Stancombe Road; Otara

STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: Sep 1994

CRITERIA: Historic

KEYWORDS: SCHOOL; BAVERSTOCK ROAD; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 428

SITE NO: R11

TYPE: BUILDING-FARM

NAME: Bells Barn

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: Bells Road; Howick Colonial Village; Pakuranga

OWNER: Howick and District Historical Society

ADDRESS: P.O.Box 38-105, Howick

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994

STATUS: Schedule 20A

NUMBER: 16/31

CRITERIA: Historical; Visual

NZHPT CLASSIFICATION: D

NZHPT BUILDING TYPE CODE: FM

NZHPT RECORD NUMBER: 5303

KEYWORDS: BARN

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 8-Feb-1995

Computer No: HN 446

SITE NO: R11

TYPE: BUILDING-FARM

NAME: St.Kentigern School Stables (Former)

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: Clifton Road; Whitford; Clevedon

OWNER: Mr.B.C.Farmer

ADDRESS: Farmer Construction and Asphalt, P.O.Box 14476,
Panmure

STATE: Not Known

NZHPT CLASSIFICATION: C

NZHPT BUILDING TYPE CODE: FM

NZHPT RECORD NUMBER: 646

KEYWORDS: STABLES; SCHOOL STABLES

RECORD UPDATE: 9-Feb-1995

Computer No: HN 863

SITE NO: R11

TYPE: BUILDING - STABLES/ AREA - GARDEN

NAME: Hampton Park

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: 334 East Tamaki Road; Otara

STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;
Sep 1994

STATUS: Schedule 20A

NUMBER: 18/5

CRITERIA: Historical

KEYWORDS: SUNKEN GARDEN; STABLES

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 936

SITE NO: R11
TYPE: BUILDING - THEATRE
NAME: Monterey Theatre

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 5 Cook Street; Howick
STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;
Sep 1994
STATUS: Schedule 16A
NUMBER: 5
CRITERIA: Architectural; Group

KEYWORDS: THEATRE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1855; SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 15

SITE NO: R11
TYPE: OBJECT - GEOLOGICAL
NAME: Fossilised Kauri Logs

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2666300 N6465350

LOCAL AUTHORITY: Manukau City
LOCATION: (End of) Renton Road; Ihumatao; Mangere
STATUS: Registered
P
CRITERIA: Scientific

DESCRIPTION: 1. Fossilised kauri logs embedded in the mud of the Manukau Harbour. Clearly visible from the foreshore. Well-preserved examples of native trees existing 29,000-30,000 years ago. The trees were originally felled by a volcanic blast and their timber was preserved by some freak set of conditions. Originally, a dense kauri forest stood in the area. Some time ago the remnants of the fallen forest were exhumed by the sea. Some fallen trunks are as much as 18 metres in length and the stumps of others (in position or growth) form huge circles. Generally, the remains appear very similar to modern drift

logs on a beach.

KEYWORDS: HISTORIC OBJECTS; FOSSIL KAURI LOGS

RECORD UPDATE: 8-Feb-1995

Computer No: HN 866

SITE NO: R11

TYPE: OBJECT - LANDING/ OBJECT - QUARRY/ OBJECT - JETTY

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: 36 Burswood Drive; East Tamaki; Otara

STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994

STATUS: Schedule 20A

NUMBER: 17/18

CRITERIA: Historical

DESCRIPTION: 1. Stone Jetty, Landing and Quarry

KEYWORDS: JETTY; QUARRY; LANDING

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 1803

TYPE: OBJECT - MEMORIAL

NAME: War Memorial

LOCAL AUTHORITY: Manukau City

LOCATION: 244 East Tamaki Domain; East Tamaki Road; Otara

STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: Sep 1994

CRITERIA: Historic

KEYWORDS: MEMORIAL; WAR MEMORIAL; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 943

SITE NO: R11
TYPE: OBJECT - MILE POST
NAME: Military Mile Posts

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 500 Great South Road; Also outside Presbyterian
Church in Great South Road; Papatoetoe
STATE: Not known

DISTRICT SCHEME: Papatoetoe City Second Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Apr 1986;
Sep 1994
STATUS: Schedule
NUMBER: 1
CRITERIA: Historical

DESCRIPTION: 1. Military mile post x2.

KEYWORDS: MILE POST; MILITARY; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1869; SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 440

SITE NO: R11
TYPE: OBJECT - MILITARY
NAME: Mellons Bay Gun Emplacement

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: Mellons Bay Beach; Howick
OWNER: H.C.and M.S.Sprosen
ADDRESS: 16 Page Point Road, Howick

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 15/17
CRITERIA: Historical

NZHPT CLASSIFICATION: C
NZHPT BUILDING TYPE CODE: DF
NZHPT RECORD NUMBER: 5264

KEYWORDS: GUN EMPLACEMENT; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884

RECORD UPDATE: 8-Feb-1995

Computer No: HN 869

SITE NO: R11

TYPE: OBJECT - MILITARY

NAME: Military Mile Posts

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: Great South Road; Manurewa

STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan

SCHEME DATE: 14 Apr 1993

STATUS: Schedule 20A

NUMBER: 19/2

CRITERIA: Historical

KEYWORDS: MILE POST; MILITARY; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884

RECORD UPDATE: 9-Feb-1995

Computer No: HN 865

SITE NO: R11

TYPE: OBJECT - STONEWALL

NAME: Cryer's Road Stone Walls

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: 62 Neales Road; East Tamaki; Otara

STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994

STATUS: Schedule 20A

NUMBER: 17/14

CRITERIA: Historical; Scientific

KEYWORDS: STONE WALLS; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 868

SITE NO: R11
TYPE: PLACE - CAVE
NAME: Wiri Lava cave

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: Wiri Station Road; Manurewa

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;
Manukau City District Plan - Draft Heritage Plan (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Schedule 20A
NUMBER: 13/8
CRITERIA: Scientific

KEYWORDS: LAVA CAVE; PROTECTED AREA

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 9-Feb-1995

Computer No: HN 940

SITE NO: R11
TYPE: STRUCTURE - WELL

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 34 Abercrombie Street; Howick
STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;
Sep 1994
STATUS: Schedule 16A
NUMBER: 9
CRITERIA: Historical

KEYWORDS: WELL; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1855; SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 941

SITE NO: R11

TYPE: STRUCTURE - WELL

NAME: Fencible Court

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: 35 Cook Street; Howick

STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 29 Aug 1991;

Sep 1994

STATUS: Schedule 16A

NUMBER: 11

CRITERIA: Historical

KEYWORDS: WELL; FENCIBLE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1855; SE 2211

RECORD UPDATE: 10-Feb-1995

Computer No: HN 942

SITE NO: R11

TYPE: STRUCTURE - WELL

NAME: Monterey Theatre (Cinema Site)

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City

LOCATION: 5 Cook Street; Howick

STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 29 Aug 1991;

Sep 1994

STATUS: Schedule 16A

NUMBER: 12

CRITERIA: Historical

KEYWORDS: WELL; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1855; SE 2211

RECORD UPDATE: 10-Feb-1995

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APPENDIX 6

**PRELIMINARY LIST OF
MANUKAU CITY
HISTORIC AND
LANDMARK TREES (BY
CHI DATABASE
SEQUENCE NUMBER)**

Computer No: HN 1
SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2669933 N6468086

LOCAL AUTHORITY: Manukau City Council
LOCATION: Mangere Presbyterian Church; Kirkbride Road;
Mangere; Manukau City
OWNER: Presbyterian Church
ADDRESS: Regional Office 83 Khyber Pass Road Auckland
(Also refer C/- A.A. Armitage 34 Staverton Cres. Mangere)
LEGAL DESCRIPTION: Pt Allot 5 DP 43064 and Pt Allot 70 Manurewa Parish
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 April 1993;
Sep 1994
STATUS: S 20B Trees and Areas of Landscape
NUMBER: 5/15
Also see 5/14
CRITERIA: Historic; Landmark

DESCRIPTION: 1. Norfolk Island Pines (x2)

KEYWORDS: TREES; EXOTIC; NORFOLK ISLAND PINES

CHI BIBLIOGRAPHY REFERENCES: SE 419; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 2

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2668670 N6470840

LOCAL AUTHORITY: Manukau City Council
LOCATION: 85-89 Wallace Road; Mangere; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
Sep 1994
STATUS: S 20B Trees and Areas of Landscape
NUMBER: 4/4
CRITERIA: Aesthetic

DESCRIPTION: 1. Morton Bay Fig, Puriri (x2), and a Pohutukawa

KEYWORDS: TREES; INDIGENOUS; EXOTIC; MORETON BAY FIG; FICUS; PURIRI;
POHUTUKAWA

CHI BIBLIOGRAPHY REFERENCES: SE2211; SE1884

RECORD UPDATE: 2-Feb-1995

Computer No: HN 3

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2669210 N6468370

LOCAL AUTHORITY: Manukau City Council
LOCATION: Ascot Road; Mangere; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 April 1993;
Sep 1994
STATUS: S 20B Trees and Areas of Landscape
NUMBER: 5/20
CRITERIA: Historic; Commemorative Landmark

DESCRIPTION: 1. Oaks (x15)

KEYWORDS: TREES; EXOTIC; OAK

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 4

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2672250 N6469050

LOCAL AUTHORITY: Manukau City Council
LOCATION: Mangere Intermediate School; Buckland Road;
Mangere; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
Sep 1994
STATUS: S 20B Trees and Areas of Landscape
NUMBER: 8/15
CRITERIA: Aesthetic

DESCRIPTION: 1. Six Oaks

ADDITIONAL NOTES: 1. See Diagram III in Appendix E to the planning maps for specific trees protected.

KEYWORDS: TREES; EXOTIC; OAKS

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 5

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2672980 N6469110

LOCAL AUTHORITY: Manukau City Council
LOCATION: Franklynne - Massey Homestead; 351 Massey Road;
Mangere; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second reviewed Manukau District Scheme Manukau City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 April 1993;
Sep 1994
STATUS: S 20B Trees and Areas of Landscape
NUMBER: 8/17
CRITERIA: Historic; Aesthetic; Landmark

DESCRIPTION: 1. Magnolia, Puriri, Camellia, Phoenix Palm, Jacaranda, Camphor Tree, Dogwood, Pohutukawa, Tulip Tree, Silky Oak, Red Oak, Karaka, Sycamore Maple and Rhododendron.

KEYWORDS: TREES; INDIGENOUS; EXOTIC; MAGNOLIA; PURIRI; CAMELLIA; PHOENIX PALM; JACARANDA; CAMPHOR TREE; DOGWOOD; TULIP TREE; SILKY OAK; RED OAK; SYCAMORE MAPLE; RHODODENDRON; PURIRI; KARAKA

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 6

SITE NO: R11
TYPE: TREES
NAME: Massey Park

METRIC MAP SHEET: R11
METRIC GRID REFERENCE: E2673260 N6468900

LOCAL AUTHORITY: Manukau City Council
LOCATION: Hain Avenue; Mangere; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan
SCHEME DATE: 25 May 1989;
14 April 1993
STATUS: S 20B Trees and Areas of Landscape
NUMBER: 8/20
CRITERIA: Historic; Commemorative Association

DESCRIPTION: 1. Norfolk Island Pine (x1)

KEYWORDS: TREES; EXOTIC; NORFOLK ISLAND PINE

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884

RECORD UPDATE: 2-Feb-1995

Computer No: HN 176

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Finlayson Estate; Weymouth; Manurewa; Manukau
City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan
SCHEME DATE: 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 20/19

CRITERIA: Historic; Landmark

DESCRIPTION: 1. Norfolk Island Pine Trees

KEYWORDS: NORFOLK ISLAND PINES; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884

RECORD UPDATE: 2-Feb-1995

Computer No: HN 177

SITE NO: R11

TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council

LOCATION: Hill Road; Manurewa; Manukau City

STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;

14 Apr 1993;

Sep 1994

STATUS: Scheduled

NUMBER: 24/13

CRITERIA: Landmark

DESCRIPTION: 1. Five Norfolk Island Pine trees and a group of other trees including Liquid Amber, Totara, Rimu, Pohutukawa and Karaka

KEYWORDS: TREE; EXOTIC; INDIGENOUS; NORFOLK ISLAND PINES; LIQUID AMBER; TOTARA; RIMU; POHUTUKAWA; KARAKA

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 178

SITE NO: R11

TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council

LOCATION: 49 Church Road; Mangere; Manukau City

STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Scheduled
NUMBER: 4/17
CRITERIA: Historic; Landmark

DESCRIPTION: 1. Three Norfolk Island Pines

KEYWORDS: NORFOLK ISLAND PINE; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 459

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: All Saints Church; 517A Weymouth Road; Manurewa;
Manukau City
OWNER: All Saints Church
ADDRESS: 517A Weymouth Road
Manurewa
Manukau City
STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 14 Apr 1993;
Sep 1994
STATUS: Proposed
NUMBER: 14/21
CRITERIA: Historic value

DESCRIPTION: 1. Two oak trees

KEYWORDS: TREE; EXOTIC; OAK

CHI BIBLIOGRAPHY REFERENCES: SE1884; SE2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 460

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council

LOCATION: 22 Botany Road; Guy's Homestead; Ti Rakau Drive;
Otara; Manukau City

STATE: Not known

DISTRICT SCHEME: 1995 Manukau City District Plan - Draft Heritage Chapter
(7)

SCHEME DATE: Sep 1994

STATUS: Proposed

CRITERIA: Historic Value

DESCRIPTION: 1. One Oak tree

KEYWORDS: TREE; EXOTIC; OAK

CHI BIBLIOGRAPHY REFERENCES: SE2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 181

SITE NO: R11

TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council

LOCATION: Westney Road; Mangere; Manukau City

LEGAL DESCRIPTION: Pt Allot 75 DP 13909

STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District plan;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994

STATUS: Scheduled

NUMBER: 5/24

CRITERIA: Historic; Commemorative; Landmark

DESCRIPTION: 1. Group of Oak Trees (and other exotic varieties), and one
puriri

KEYWORDS: OAK; TREE; EXOTIC; INDIGENOUS; PURIRI

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 461

SITE NO: S11
TYPE: TREES

METRIC MAP SHEET: S11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Clevedon - Kawakawa Road; Kawakawa Bay; Clevedon;
Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994
STATUS: Proposed
CRITERIA: Historic value

DESCRIPTION: 1. Two Phoenix Palms and one Norfolk Island Pine tree

KEYWORDS: TREE; EXOTIC; PHOENIX PALM; PALM; NORFOLK ISLAND PINE

CHI BIBLIOGRAPHY REFERENCES: SE2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 462

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Whitford Hall; 1 Whitford - Maraetai Road;
Whitford; Clevedon; Manukau City
STATE: Not known

DISTRICT SCHEME: 1995 Manukau City District Plan - Draft Heritage Chapter
(7)
SCHEME DATE: Sep 1994
STATUS: Proposed
CRITERIA: Historic value

DESCRIPTION: 1. One Oak tree

KEYWORDS: TREE; EXOTIC; OAK

CHI BIBLIOGRAPHY REFERENCES: SE2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 184

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council

LOCATION: 374 Massey Road; Mangere; Manukau City

STATE: Not known

DISTRICT SCHEME: Operative Second Reviewed Manukau District Scheme Manukau
City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 14 Apr 1993;

Sep 1994

STATUS: Scheduled

NUMBER: 8/42

CRITERIA: Historic Landmark

DESCRIPTION: 1. One Bunya-bunya Pine Tree

KEYWORDS: TREE; EXOTIC; BUNYA-BUNYA

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 185

SITE NO: R11

TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council

LOCATION: Butley Drive; Pakuranga; Manukau City

STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;

14 Apr 1993;

Sep 1994

STATUS: Scheduled

NUMBER: 16/8

CRITERIA: Historic Association

DESCRIPTION: 1. Two Norfolk Island Pines

KEYWORDS: NORFOLK ISLAND PINE; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 186

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Cascades Road; Pakuranga; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan

SCHEME DATE: 25 May 1989;
14 Apr 1993

STATUS: Scheduled

NUMBER: 16/33

CRITERIA: Historic Association

DESCRIPTION: 1. Five Oak Trees

KEYWORDS: OAK; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE

RECORD UPDATE: 2-Feb-1995

Computer No: HN 187

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Botany Road; Pakuranga; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan

SCHEME DATE: 25 May 1989;
14 Apr 1993

STATUS: Scheduled

NUMBER: 17/25
17/25

CRITERIA: Historic; Commemorative Association

DESCRIPTION: 1. One Norfolk Island Pine Tree

KEYWORDS: NORFOLK ISLAND PINE; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884

RECORD UPDATE: 2-Feb-1995

Computer No: HN 188

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: 125 McLeans Road; Pakuranga; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;

14 Apr 1993;

Sep 1994

STATUS: Scheduled

NUMBER: 21/3

CRITERIA: Historic Association

DESCRIPTION: 1. One Norfolk Island Pine Tree

KEYWORDS: NORFOLK ISLAND PINE; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 189

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Hawthorne Dene; Botany Road; Pakuranga; Manukau
City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;

14 Apr 1993;

Sep 1994

STATUS: Scheduled

NUMBER: 22/2
CRITERIA: Historic Association

DESCRIPTION: 1. A variety of trees

KEYWORDS: TREE; INDIGENOUS; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 190

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: 23 Northpark Avenue; Pakuranga; Manukua City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Scheduled
NUMBER: 22/5
CRITERIA: Historic Association

DESCRIPTION: 1. Three Norfolk Island Pines

KEYWORDS: NORFOLK ISLAND PINES; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 191

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: 429 Clifton Road; Whitford; Clevedon; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Scheduled
NUMBER: 26/3
CRITERIA: Historic Association

DESCRIPTION: 1. One Norfolk Island Pine Tree

ADDITIONAL NOTES: 1. This tree has been recorded as being in the Pakuranga Ward, according to the Manukau City Council Second Reviewed District Scheme 1989, and the Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan, 1993. The Manukau City District Plan - Draft Heritage Chapter (7) 1994 correctly recognizes the tree as being in the Clevedon Ward.

KEYWORDS: NORFOLK ISLAND PINE; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 192

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: 283 Broomfield's Road; Whitford; Clevedon;
Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Scheduled
NUMBER: 26/4
CRITERIA: Historic Association

DESCRIPTION: 1. One Norfolk Island Pine Tree

ADDITIONAL NOTES: 1. This tree is recorded as being in the Pakuranga Ward according to the Manukau City Council Second Reviewed District Scheme 1989 and the Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan 1993. The Manukau City District Plan -

Draft Heritage Chapter (7) 1994 correctly recognizes the tree as being in the Clevedon Ward.

KEYWORDS: NORFOLK ISLAND PINE; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 193

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Wades Road; Whitford; Clevedon; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan

SCHEME DATE: 25 May 1989;
14 Apr 1993

STATUS: Scheduled

NUMBER: 27/4

CRITERIA: Historic Association

DESCRIPTION: 1. One Norfolk Island Pine Tree

ADDITIONAL NOTES: 1. According to the Manukau City Council Proposed Second Reviewed District Scheme 1989 and the Operative Second Reviewed District Scheme Manukau City Transitional District Plan 1993 this tree has been sited in the Pakuranga Ward, whereas it should be correctly located in the Clevedon Ward.

KEYWORDS: NORFOLK ISLAND PINE; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884

RECORD UPDATE: 2-Feb-1995

Computer No: HN 194

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: All Souls Church; North Road; Clevedon; Manukau City

STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;

14 Apr 1993;

Sep 1994

STATUS: Scheduled

NUMBER: 30/5

CRITERIA: Historic Association

DESCRIPTION: 1. Two Norfolk Island Pines

KEYWORDS: NORFOLK ISLAND PINE; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 195

SITE NO: R11

TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council

LOCATION: South Mall; Great South Road; Manurewa; Manukau City

STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;

14 Apr 1993;

Sep 1994

STATUS: Scheduled

NUMBER: 19/12

CRITERIA: Historic Association

DESCRIPTION: 1. One Norfolk Island Pine Tree

KEYWORDS: NORFOLK ISLAND PINE; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 163

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: La Roche Bush Reserve; 2 Paparoa Road; Howick;
Manukau City
STATE: Description of the current state of tree not available.

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 29 Aug 1991;

Sep 1994

STATUS: Schedule 16B

NUMBER: 13

CRITERIA: Historic Association

DESCRIPTION: 1. One Puriri tree

KEYWORDS: TREE; PURIRI; INDIGENOUS

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 164

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: William Green Domain; 542 Pakuranga Road; Howick;
Manukau City
STATE: Description of the current state of tree not available.

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 29 Aug 1991;

Sep 1994

STATUS: Schedule 16B

NUMBER: 14

CRITERIA: Historic Association

DESCRIPTION: 1. One Tulip Tree

KEYWORDS: TULIP TREE; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 165

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: William Green Domain; 542 Pakuranga Road; Howick;
Manukau City
STATE: Description of the current state of tree not available.

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 29 Aug 1991;

Sep 1994

STATUS: Schedule 16B

NUMBER: 15

CRITERIA: Historic Association

DESCRIPTION: 1. Pohutukawa tree

KEYWORDS: TREE; POHUTUKAWA; INDIGENOUS

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 166

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: William Green Domain; 542 Pakuranga Road; Howick;
Manukau City
STATE: Description of the current state of trees not available.

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 29 Aug 1991;

Sep 1994

STATUS: Schedule 16B

NUMBER: 16

CRITERIA: Historic Association

DESCRIPTION: 1. Copse of Native Trees

KEYWORDS: TREE; INDIGENOUS

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 167

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Keppoch Lodge; 1 Tanglewood Place; Howick;
Manukau City
STATE: Description of the current state of trees not available.

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;
Sep 1994
STATUS: Schedule 16B
NUMBER: 17
CRITERIA: Historic Association

DESCRIPTION: 1. One Palm tree and one Titoki tree

KEYWORDS: TREE; INDIGENOUS; EXOTIC; TITOKI; PALM

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2211

RECORD UPDATE: 19-Jan-1995

Computer No: HN 168

SITE NO: R11
TYPE: TREES
RECORD STATUS EXOTIC

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Shamrock Cottage; 73 Selwyn Road; Howick; Manukau
City
STATE: Description of the current state of trees not available.

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;
Sep 1994
STATUS: Schedule 16B
NUMBER: 18
CRITERIA: Historic Association

DESCRIPTION: 1. Two Cypress Trees

KEYWORDS: CYPRESS; TREE

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 169

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: All Saints Churchyard; Cnr Selwyn Road and Cook
Street; Howick; Manukau City
STATE: Description of the current state of trees not available.

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;
Sep 1994
STATUS: Schedule 16B
NUMBER: 19
CRITERIA: Historic Association

DESCRIPTION: 1. Five Lebanon Cedar Trees

KEYWORDS: LEBANON CEDAR; TREE; CEDAR; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 170

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Howick Ward Office; 35 Uxbridge Road; Howick;
Manukau City
STATE: Description of the current state of tree not available.

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme
SCHEME DATE: 29 Aug 1991
STATUS: Schedule 16B
NUMBER: 20
CRITERIA: Historic Landmark

DESCRIPTION: 1. Ti Kouka (Cabbage tree)

KEYWORDS: TREE; CABBAGE; TI KOUKA; INDIGENOUS

CHI BIBLIOGRAPHY REFERENCES: SE 1858

RECORD UPDATE: 2-Feb-1995

Computer No: HN 171

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Rosscourt; 43 Cook Street; Howick; Manukau City
STATE: Description of the current state of tree not available.

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 29 Aug 1991;
Sep 1994

STATUS: Schedule 16B
NUMBER: 23
CRITERIA: Historic Landmark

DESCRIPTION: 1. One Rubber tree

KEYWORDS: RUBBER TREE; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 172

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: 64 Cook Street; Howick; Manukau City
STATE: Description of the current state of trees not available.

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 29 Aug 1991;
Sep 1994

STATUS: Schedule 16B
NUMBER: 30
CRITERIA: Historic Association

DESCRIPTION: 1. Pohutukawa trees

KEYWORDS: TREE; INDIGENOUS; POHUTUKAWA

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 173

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Anglican Church; Cnr Grande Vue Drive and Dennis
Avenue; Manurewa; Manukau City
STATE: Not Known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;
14 Apr 1993;
Sep 1994
STATUS: Scheduled
NUMBER: 19/21
CRITERIA: Historic Landmark

DESCRIPTION: 1. Four Oaks

KEYWORDS: OAK; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 174

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: David Nathan Park; Hill Road; Manurewa; Manukau
City
STATE: Not Known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 25 May 1989;

14 Apr 1993;
Sep 1994
STATUS: Scheduled
NUMBER: 19/23
CRITERIA: Historic Landmark

DESCRIPTION: 1. Japanese cedars and two oak trees

KEYWORDS: JAPANESE CEDAR; OAK; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 175

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Post Office; Station Road; Manurewa; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan;

Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: 25 May 1989;

14 Apr 1993;

Sep 1994

STATUS: Scheduled

NUMBER: 19/26

CRITERIA: Historic Landmark

DESCRIPTION: 1. One puriri tree

KEYWORDS: TREE; PURIRI; INDIGENOUS

CHI BIBLIOGRAPHY REFERENCES: SE 348; SE 1884; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 465

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: 25 Dr Pickering Avenue; Mountford Park; Manurewa;

Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994
STATUS: Proposed
CRITERIA: Historic value

DESCRIPTION: 1. Norfolk Island Pine Tree

KEYWORDS: TREE; EXOTIC; NORFOLK ISLAND PINE

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 23-Jan-1995

Computer No: HN 466

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: 24 Frank Nobilo Drive; Howick; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994
STATUS: Proposed
CRITERIA: Historic Value

DESCRIPTION: 1. One Norfolk Pine Tree

KEYWORDS: TREE; EXOTIC; NORFOLK ISLAND PINE

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 467

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: 17 Lockend Place; Howick; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994
STATUS: Proposed

CRITERIA: Historic Association

DESCRIPTION: 1. Three Oak Trees

KEYWORDS: TREE; EXOTIC; OAK

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 468

SITE NO: R11

TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council

LOCATION: Star of the Sea Church; 18 Parkhill Road; Howick;

Manukau City

STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: Sep 1994

STATUS: Proposed

CRITERIA: Historic Association

DESCRIPTION: 1. Two Oak Trees

KEYWORDS: TREE; EXOTIC; OAK

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 469

SITE NO: R11

TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council

LOCATION: 137 Kolmar Road; Papatoetoe; Manukau City

STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)

SCHEME DATE: Sep 1994

STATUS: Proposed

CRITERIA: Historic Association

DESCRIPTION: 1. One Flowering Gum Tree

KEYWORDS: TREE; EXOTIC; GUM; FLOWERING GUM

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 470

SITE NO: R11
TYPE: TREES
RECORD STATUS Brief

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Old Mangere Central School; 299 Kirkbride Road;
Mangere; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994
STATUS: Proposed
CRITERIA: Historic Association

DESCRIPTION: 1. Four Puriri Trees, and one Totata tree

KEYWORDS: TREE; INDIGENOUS; PURIRI; TOTARA

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 471

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Farm Cove Shops; 194 Fisher Parade; Pakuranga;
Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994
STATUS: Proposed
CRITERIA: Historic Association

DESCRIPTION: 1. One Norfolk Island Pine tree, and three Oak trees

KEYWORDS: TREE; EXOTIC; NORFOLK ISLAND PINE; OAK

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 472

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Commonwealth Covenant Church; 93 Kolmar Road;
Papatoetoe; Manukau City
STATE: Not known

DISTRICT SCHEME: Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: Sep 1994
STATUS: Proposed
CRITERIA: Historic Association

DESCRIPTION: 1. One Pohutukawa Tree

KEYWORDS: TREE; INDIGENOUS; POHUTUKAWA

CHI BIBLIOGRAPHY REFERENCES: SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 257

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: 16 and 18 Cockle Bay Road; Howick; Manukau City

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;
Sep 1994
STATUS: Schedule 16B
NUMBER: 21
CRITERIA: Historic; Aesthetic

DESCRIPTION: 1. One Norfolk Island Pine tree

KEYWORDS: NORFOLK ISLAND PINE; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 258

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: 66, 68 and 70 Cook Street; Howick
STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;
Sep 1994
STATUS: Schedule 16B
NUMBER: 22
CRITERIA: Historic; Aesthetic

DESCRIPTION: 1. Three Norfolk Island Pine trees, and some Oak trees.

KEYWORDS: OAK; NORFOLK ISLAND PINE; TREE ; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 259

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: At the foot of Selwyn Road on the old Wharf Site;
Howick Beach; Howick; Manukau City

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;
Sep 1994
STATUS: Schedule 16B
NUMBER: 25
CRITERIA: Historic; Aesthetic

DESCRIPTION: 1. Two Pohutukawa trees

KEYWORDS: TREE ; POHUTUKAWA; INDIGENOUS

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 260

SITE NO: R11
TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City
LOCATION: Blundell Park; Elliot Street; Howick; Manukau
City
STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;
Sep 1994
STATUS: Schedule 16B
NUMBER: 27
CRITERIA: Historic; Aesthetic

DESCRIPTION: 1. One Norfolk Island Pine tree and twenty five Oak trees.

KEYWORDS: NORFOLK ISLAND PINE; OAK; TREE; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 261

SITE NO: R11
TYPE: TREES
NAME: "Te Tuhi a Manawatere" Pohutukawa Tree

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council
LOCATION: Eastern end of Cockle Bay; Howick; Manukau City
STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme;
Manukau City District Plan - Draft Heritage Chapter (7)
SCHEME DATE: 29 Aug 1991;
Sep 1994
STATUS: Schedule 16B
NUMBER: 29
CRITERIA: Historic; Aesthetic

DESCRIPTION: 1. "Te Tuhi a Manawatere" the sacred Pohutukawa tree is very significant to the Ngai Tai Iwi. The name of this tree refers to the mark or inscription left by Manawatere, a distinguished Ngai Tai chief, when he came to Cockle Bay on his journey from Hawaii to Maraetai.

KEYWORDS: TREE ; POHUTUKAWA; INDIGENOUS

CHI BIBLIOGRAPHY REFERENCES: SE 1858; SE 2095; SE 2211

RECORD UPDATE: 2-Feb-1995

Computer No: HN 473

SITE NO: R11

TYPE: TREES

METRIC MAP SHEET: R11

LOCAL AUTHORITY: Manukau City Council

LOCATION: Catholic Church; Picton Street; Howick; Manukau

City

OWNER: Catholic Church

ADDRESS: Picton Street

Howick

Manukau City

STATE: Not known

DISTRICT SCHEME: Howick Proposed Third Reviewed District Scheme

SCHEME DATE: 29 Aug 1991

STATUS: Scheduled

NUMBER: 28

CRITERIA: Historic Association

DESCRIPTION: 1. Two oak trees

ADDITIONAL NOTES: 1. This tree was recorded as CHI No 262, but this number refers to a Franklin District tree.

KEYWORDS: TREE; OAK; EXOTIC

CHI BIBLIOGRAPHY REFERENCES: SE 1858

RECORD UPDATE: 3-Feb-1995

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APPENDIX 7

**PRELIMINARY LIST OF
MANUKAU CITY
MARITIME CULTURAL
HERITAGE SITES (BY
DATABASE SEQUENCE
NUMBER)**

R11	83			HULK
S11	85	2710400	6469050	BOOM
S11	86	2710500	6469050	SHIPYARD
R11	91	2673300	6472000	HULK
R11	116	2675100	6470100	WHARF/ STORE
R11	117	2674000	6463200	FISHTRAPS
R11	118	2678400	6473200	WHARF
R11	126	2678900	6473100	WHARF/ QUARRY SITE
R11	127	2679700	6473700	WHARF/ QUARRY SITE
R11	136	2676100	6475400	BRIDGE (ABUTMENTS AND SWIVEL SECTION)
R11	137	2685350	6471200	WHARF
S11	147	2696150	6476020	HULK
R11	161	2675100	6470150	BRIDGE
S11	203	2707310	6470770	SAWMILL/ BOOM
S11	344	2693700	6477650	BRICKWORKS/ WHARF
R11	433	2679000	6473500	QUARRY SITE
R11	441	2679700	6480400	WHARF
S11	444	2692200	6466100	WHARF
R12	454			WHARF
S11	539	2692300	6466050	LANDING
R11	547	2669500	6472500	BRIDGE
R11	549	2680150	6479450	BRICKWORKS/ JETTY
R11	550	2681050	6479000	LIMEWORKS/ QUARRY (EXTRACTION)
R11	552	2685850	6473100	BRICKWORKS/ WHARF
R11	553	2685830	6471850	BRICKWORKS/ WHARF
R11	554	2683400	6477000	WHARF SITE
R11	561			SHIPYARD
R11	629			SHIPWRECK
R11	637			WALKING STONES
R11	658	2679800	6480800	STONE WORKING AREA
R11	670			LANDING (CANOE)
S11	671			CANOE
R11	672	2676200	6475500	WHARF
R11	673	2685550	6471100	FORD
S11	674	2695500	6473600	BURIAL GROUND
S11	675			ROCKET RANGE
S11	676	2693710	6477700	MAGAZINE
R11	688			SHIPYARD
R11	731			SHIPWRECK
S11	743			SHIPWRECK
S11	775	2709600	6469250	QUARRY (EXTRACTION)
S11	795			HULK
R11	832			PORTAGE
R12	848			OYSTER FARM
R11	850	2668900	6472100	LANDING
R11	852	2679000	6482000	HULK
R11	864	2667300	6467700	BRIDGE
R11	909	2680100	6481950	BALLAST
R11	910	2680600	6480300	BALLAST
R11	913	2676300	6471800	SHIPWRECK
S11	918	2699900	6471450	SHIPWRECK
R11	989	2680900	6479400	WHARF
R11	990	2684500	6475100	WHARF
R11	991	2684210	6474600	WHARF/ LANDING
R11	992	2683900	6474600	LANDING

R11	993	2683950	6474350	LANDING
R11	994	2683300	6474200	WHARF/ LANDING
R11	995			LANDING
R11	996			WHARF
R11	997			WHARF
R11	998			WHARF
R11	999	2684900	6473250	LANDING
R11	1000			SHIPYARD
R11	1001	2685600	6472600	LANDING
R11	1002			LANDING
S11	1004	2692650	6467600	WHARF
S11	1043	2702300	6470500	BALLAST
S11	1053	2692650	6478080	WHARF

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APPENDIX 8

**LIST OF
ARCHAEOLOGICAL
SITES IN MANUKAU
CITY PLANNING
SCHEMES 1984 TO
1993 (BY NZAA
METRIC SITE
NUMBER)**

Computer No: HN 5935

SITE NO: R11 /23

TYPE: PA (HEADLAND)

NAME: Te Naupata; Musick Point

DATE RECORDED: Aug 1961; Jun 1977; 26 Jun 1988

REPORTED BY: Brown, H.J.R. (Bob); Fox, Aileen; Sewell, Brenda

LAST VISITED: 1988

RECORD STATUS Detailed; Maps; Plans; Photos

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 15

IMPERIAL GRID REFERENCE: E241600 N660800

METRIC MAP SHEET: R11

METRIC SITE NO: 23

METRIC GRID REFERENCE: E2679900 N6481900

LOCAL AUTHORITY: Manukau City

LOCATION: Musick Point; Buckland's Beach

OWNER: Manukau City Council

ADDRESS: Manukau

LEGAL DESCRIPTION: Allotment 410 Pakuranga Parish S.D. 55990

LAND CLASSIFICATION: local body land

STATE: partly damaged, continuing minor damage
ditch and bank remaining

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan

SCHEME DATE: 25 May 1989;

14 Apr 1993

STATUS: Scheduled

NUMBER: 15/13

DESCRIPTION: 1. This site consists of a headland pa which has been for the most part altered through development. The ditch and banks cutting off the headland still remain in part and a further ditch at the point isolates the tihi. Pits and terraces, midden, cooking areas and house sites, water supplies and internal flat areas are noted by Fairfield, who recorded the site in 1939 and illustrated it with a sketch-plan. Currently a car park, roadway and memorial building are part of the pa features.

ADDITIONAL NOTES: 1. Additional information by Fox (Jun 1977): notes the general history of the pa, its defences and the interior structures.

2. Additional information by Sewell (26 Jun 1988): notes the transverse ditch and bank to the south with a second ditch cutting off the headland. 8 Karaka trees occur in the ditch, with 5 clear pits nearby.

3. Additional information by Foster, Green and Sewell (Aug 1988:9-12): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:9-12; SE 344). "The headland itself is prominent, at the entrance to Tamaki River, although the features of the pa are not now visually outstanding. The importance of this site lies in both its scientific and traditional value. There is no doubt that this pa was of strategic importance and it is one of the very few headland pa in urban Auckland that have not been built over. Although the erection of the Post Office buildings in 1939 destroyed some features, much of the pa is intact. In 1939 G. Fairfield mapped the Pa (Fig 2.1). This plan shows two transverse ditches to the south and a further ditch cutting across the northern extremity of the headland. Within the pa

were many pits - some with unusual external 'channels' or drains - terraces, shell heaps and other features which he interpreted as houses and cooking sheds. In 1978 A. Fox produced a plan of the features then visible, based on Fairfield's map (Fig. 2.2). At that time only 10 pits could be seen. In 1988 even fewer features were noted. Fig. 2.3 is a plan (taken from Fox's map of those features. One or two pits could have been destroyed when the car park was extended. The western ditch was hard to define and the pits close by could not be found. Two other pits (to the east of the Post Office building) were little more than slight depressions. Musick Point is managed as a passive recreation reserve and the significance of the pa is not stressed. Footpaths and accessways have been designed for the public 'and gardeners' convenience and it is likely that pits and other depressions have been filled in with leaves, grass cutting and humus, as is evidenced by the decreasing number of pits visible over the years. Traditions relating to this pa (Fairfield per. comm. to A. Fox 1977) are that the pa was occupied until the 18th century by Ngai Tai people, and before that by the Ngariki. P. Hinds, a botanist, stated that the Kumarahou called Tainui (*Pomaderris apetala*) by the Maori people, only grows naturally in New Zealand at Musick Point and along the west coast between Kawhia and Makau and this is said to be an indication that it was brought on the Tainui Canoe from East Polynesia, where it is common."

4. Additional information within 1993 District Scheme notes (p.24 Part 20 - Preservation and Conservation): "This section of the Scheme is subject to objection/appeal and is not yet operative".
5. Additional information from Site Record Form update (26 Aug 1994): includes a sketch plan of the pa as well as a map with details of localities where Maori material was found by G. Fairfield since 1916.

KEYWORDS: PA (HEADLAND); PITS; TERRACES; KARAKA; COOKING AREAS; HOUSE SITES; MIDDEN; DITCH; BANK; BOTANICAL SITE (KARAKA)

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 344

RECORD UPDATE: 13-Dec-1994

Computer No: HN 5936

SITE NO: R11 /26

TYPE: PA (VOLCANIC HILL)

NAME: Te Pane a Mataaho; Mangere Mountain

DATE RECORDED: 1961

REPORTED BY: Brown, H.J.R. (Bob); Sewell, Brenda

LAST VISITED: 28-Jun 1988

RECORD STATUS Detail; Maps; plans

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 18

IMPERIAL GRID REFERENCE: E230100 N648700

METRIC MAP SHEET: R11

METRIC SITE NO: 26

METRIC GRID REFERENCE: E2669100 N6471100

NEW METRIC GRID REFERENCE: E2669208 N6470920

LOCAL AUTHORITY: Manukau City

LOCATION: Mangere

OWNER: Manukau City Council

ADDRESS: Private Bag, Manukau City

LEGAL DESCRIPTION: Part 200 S.O. 5735

LAND CLASSIFICATION: local body land

STATE: Partly damaged, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan

SCHEME DATE: 25 May 1989;
14 Apr 1993

STATUS: Scheduled

NUMBER: 4/16

CRITERIA: Traditional; Regional; Local; Historical; Visual;
Scientific

DESCRIPTION: 1. The volcanic cone has terracing on all sides, with pits and midden. There is a concentration of pits on the SE of the N crater and the ridge of the S crater. The northern, western and southern flanks of the mountain have been extensively modified by terracing. The pa was the centre of a large community which included extensive gardening and agricultural stoneworks.

ADDITIONAL NOTES: 1. Additional information by Alan Taylor (Jun 1961): Site is reported and described in a short NZAA Newsletter (4(2):30-31) article entitled 'Five Manukau Pa Sites'.

2. Additional maps and Reports by Cassels and others from Auckland University and Sewell, B. from the Department of Conservation.

3. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:32-33; SE 344). "Mangere Mountain is possibly the most important landmark within Manukau City and has enormous visual appeal. It is one of the most intact cone pa the Auckland region and the only one within Manukau City not destroyed (partially or totally) or threatened by quarrying. It is of traditional and scientific importance and a regional asset. The scientific importance of Mangere Mountain lies in its intact state, where terraces and other features can be seen and their association with each other recorded. Fig. 4.4 is a contour map of the cone showing the area covered by terracing and other archaeological features. Fig. 4.5 is the north crater, the only portion of the cone to be mapped archaeologically by plane table and alidade. Traditionally Mangere Mountain was the last stronghold of the Waiohonga people. The pa was said to have fallen about 1770 - after which time it was maintained by Te Taoa and Ngaoho until the 1823 attacks by Ngapuhi on various Auckland pa from which time it was deserted. Many Tainui and Waiohonga peoples living in the area today are direct descendants of the earlier occupants of this cone."

KEYWORDS: PA (VOLCANIC HILL); TERRACES; PITS; MIDDEN (SHELL); GARDENING; STONEMASONRY; CONE

CHI BIBLIOGRAPHY REFERENCES: SE 245; SE 279; SE 344; SE 502; SE 1884

RECORD UPDATE: 26-Jun-1995

Computer No: HN 5299

SITE NO: R11 /38

TYPE: PA (VOLCANIC HILL)

NAME: Pakuranga Pa; Pigeon Mountain; O Huiarangi

DATE RECORDED: Aug 1961; 4 Aug 1984; 26 Jun-1988

REPORTED BY: Brown, H.J.R. (Bob); Sewell, Brenda

LAST VISITED: 1988

RECORD STATUS Detailed; Maps; Plans; Photos

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 30
IMPERIAL GRID REFERENCE: E241800 N656000

METRIC MAP SHEET: R11
METRIC SITE NO: 38
METRIC GRID REFERENCE: E2680000 N6477500

LOCAL AUTHORITY: Manukau City
LOCATION: Pakuranga
OWNER: Manukau City Council
ADDRESS: Manukau
LEGAL DESCRIPTION: Allotment 24 S.O. 55823

LAND CLASSIFICATION: more than one owner
STATE: Largely or completely destroyed, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan
SCHEME DATE: 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 16/32
CRITERIA: Traditional; Regional; Local; Visual; Scientific; Historical

DESCRIPTION: 1. Quarrying has destroyed most of this Pa site. It still, however, shows terracing with pits and midden (shell), mostly cockle, oyster, pipi and scallop as half of the cone has been preserved.

ADDITIONAL NOTES: 1. Additional information by Myers, C. in Sullivan, A. (1974): notes the prominent archaeological features remaining at the time, viz., terracing. 6 remaining terraces are described, the largest being 120m long x 24m wide. Unlike other volcanic cone sites in Auckland, there were no rectangular pits recorded which may have been due to the heavy undergrowth obscuring their presence. 3 oval shaped pits each approximately 40m squared, are located on a large terrace. Midden is located on the edges of terraces and includes cockle, oyster, pipi and scallop. A linear arrangement of scoria stones occurs along a natural break in the slope up to the summit, probably indicating individual cultivation plots.

2. Additional information by Sewell, B. (1984): notes the terracing, midden (small cockles), a concentration of greywacke rocks, pits and destruction of over half the cone from quarrying.

3. Additional information by Sewell, B. (1988): shows rock wall remnants in probable cultivation areas and mentions the stone-lined and stone-faced terraces. The defence ditches from the pa are not noted.

4. Additional information by Foster, Green and Sewell (1988:13-15): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:13-15; SE 344). "Although most of this volcanic cone pa has been quarried the remaining features are important - both locally and regionally. There were at least 10 pa on the volcanic cones of South Auckland within Manukau City - the majority have been totally quarried away and only remnants are left of those remaining. With the exception of Mangere Mountain, Pakuranga is the only cone pa in Manukau City in public ownership and as such its remaining features should be totally preserved. Fig. 2.4 is a sketch of the Pa before quarrying, drawn by G. Fairfield in 1939, whilst Fig. 2.5 (drawn from C. Phillis original field map), shows the remaining features of this pa. One of the meanings of the name Pakuranga is given as 'battle of the sun's rays' or 'the day the sun stood still' and was named thus to commemorate a battle at Pakuranga between the turehu (fairies, ghosts, pre-humans)

of Waitakere and those of Hunua."

KEYWORDS: PA (VOLCANIC CONE); TERRACES; PITS; MIDDEN; DITCHES; STONEMWORK;
SHELLS; CULTIVATION; STONEWALL; COCKLE; CONE

CHI BIBLIOGRAPHY REFERENCES: SE 107; SE 159; SE 245; SE 268; SE 360; SE
1562; SE 344

RECORD UPDATE: 20-Dec-1994

Computer No: HN 5941

SITE NO: R11 /45
TYPE: PA (HEADLAND)
NAME: Papahinu; Papahinau; Papaahinu

DATE RECORDED: 16 Sep 1961; 6 Oct 1973; 28 Jun 1988; 1 Sep 1990
REPORTED BY: Brown, H.J.R. (Bob); Sewell, Brenda; Sullivan, Agnes;
Packington-Hall, A. J. (Tony)
LAST VISITED: 1 Sep 1990
RECORD STATUS Detailed; Maps; Plans; Photos

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 37
IMPERIAL GRID REFERENCE: E232700 N642300

METRIC MAP SHEET: R11
METRIC SITE NO: 45
METRIC GRID REFERENCE: E2671300 N6465200
NEW METRIC GRID REFERENCE: E2671326 N6465224

LOCAL AUTHORITY: Manukau City
LOCATION: Papahinu Pa; Chapel Point; Mangere; Pukaki Creek
OWNER: Airport Authority
ADDRESS: Airport
Mangere
LEGAL DESCRIPTION: Allotment. 182 Manurewa Parish Block IX Otahuhu S.D.

LAND CLASSIFICATION: local body land
STATE: partly damaged, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan
SCHEME DATE 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 92
CRITERIA: Traditional; Local; Historical; Visual; Scientific

DESCRIPTION. 1. Level headland 40m long with transverse ditch 2m wide and
double bank 2m high. Midden erosion occurs on the eastern and western
slopes.

ADDITIONAL NOTES: 1. Additional information by Sullivan, A. (1973) notes
the possibility of palisade posts, an outer double row on the wide
south wall and a single row on the north wall. No signs of interior
palisades occurs around the cliff edges as a result of probable
erosion. Several holes may have been for palisade posts. Various
occupations are speculated at as a result of some brief visual midden
inspection.

2. Additional information by Sewell, B. (1988) notes the transverse ditch
and banks and midden. Amongst one area of midden (unspecified) was

located one piece of white pottery.

3. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:34-35; SE 344). "This pa is small and of the simple headland type. Within a well-defined defensive ditch there are c. 700m square of flat land. Midden can be seen eroding down the cliffs and within the defences there is a possible pit, marked on Fig. 5.1. Other subsurface features are likely to be present. The site is significant in its simplicity. It is one of the few headland pa in Manukau City on the Manukau Harbour and it is strategically placed at the entrance to two important waterways and it is of Maori traditional importance. One of the canoe portage routes from the Manukau to the Waitemata Harbour went up the Pukaki Creek, across what is now called Portage Road, to the upper reaches of the Tamaki and this pa was in an ideal position to control the people using this route. Prior to the 1860 wars and ensuing confiscations there was a Maori community on the land at the junction of the Pukaki and Waokauri Creeks (Waitangi Tribunal). This was known as Papahinu (or Papahinau). It is probable that the Papahinu Pa was occupied at this time, even though it may originally have been built much earlier. Visible evidence of this settlement, mainly shell middens and house sites, is present along the shoreline of Pukaki Creek on either side of the pa."
4. Additional information by Packington-Hall, A. J. (1990) notes the presence of pits in 2 groups. One group of 3 pits was quite recognisable, but a 2nd group was less definite. Finds of obsidian were made also (a core and flake). No postholes or palisade evidence could be found.
5. Additional information by Ian Lawlor (1994): The wider site area of Papahinu was excavated by DOC archaeologists (?Dec 1993 to Feb 1994) prior to the construction of the south-eastern motorway access to the Auckland Airport. The report is in preparation.

KEYWORDS: PA (HEADLAND); MIDDEN; SHELL; COCKLE; DITCH; BANK; TRANSVERSE; POTTERY; PITS; OBSIDIAN FLAKE; OBSIDIAN CORE; HISTORIC

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 267; SE 473; SE 344

RECORD UPDATE: 26-Jun-1995

Computer No: HN 5491

SITE NO: R11 /343

TYPE: MIDDEN (SHELL)/ PIT

DATE RECORDED: 24 May 1976

REPORTED BY: Edson, Steve; Sewell, Brenda

LAST VISITED: 1988

RECORD STATUS Detailed; Map; Photos

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 350

IMPERIAL GRID REFERENCE: E250200 N655700

METRIC MAP SHEET: R11

METRIC SITE NO: 343

METRIC GRID REFERENCE: E2687600 N6477000

LOCAL AUTHORITY: Manukau City

LOCATION: Waikopua Creek; Beachlands; Pine Harbour

OWNER: Pine Harbour Marinas

ADDRESS: Beachlands

LEGAL DESCRIPTION: Part 17 D.P. 15851

LAND CLASSIFICATION: private land
STATE: partly damaged, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan

SCHEME DATE: 25 May 1989;
14 Apr 1993

STATUS: Scheduled

NUMBER: 28/7

CRITERIA: Scientific; Local; Historical

DESCRIPTION: 1. This site occurs on the summit of a spur and consists of a poorly defined pit 4m X 2m and cockle midden on the northern scarp.

ADDITIONAL NOTES: 1. Additional information by Russell Foster (1986):
Undertook test excavations of the site for the New Zealand Historic Places Trust.

2. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:20-21 SE 344).
"This site is included in this report as a contrast to the highly visible pa sites on most of the headlands of Manukau City's coastline. For every fortified pa there were undoubtedly several, undefended settlements occupied by one family or groups of related people. The majority of sites of this type have long disappeared under roadways, modern housing or have been ploughed up. Site R11/343 is a typical example of this site type and is situated on the southern headland above Pine Harbour Marina. The visible features consist of a pit, midden and a probably site of a house (Fig. 2.8). The probably house site was identified by test pitting the area between the midden and pit when the Pine Harbour Marina was being planned. This site is an excellent example of a small hamlet."

3. A report on this site has also been written by John Coster.

KEYWORDS: MIDDEN; PIT; COCKLE

CHI BIBLIOGRAPHY REFERENCES: SE 344; SE 1884; SE 2067

RECORD UPDATE: 11-Jan-1995

Computer No: HN 5164

SITE NO: R11 /543

TYPE: STONE WALL (REPORTED)

DATE RECORDED: 8 May 1978

REPORTED BY: Bulmer, Susan

LAST VISITED: 1978

RECORD STATUS Published account

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 570

IMPERIAL GRID REFERENCE: E226600 N642800

METRIC MAP SHEET: R11

METRIC SITE NO: 543

METRIC GRID REFERENCE: E2665700 N6465800

NEW METRIC GRID REFERENCE: E2665821 N6465946

LOCAL AUTHORITY: Manukau City

LOCATION: Ihumatao; Maungataketake; Mangere
OWNER: Mr T. Ellett
ADDRESS: 296 Ihumatao Road, Mangere

LAND CLASSIFICATION: private land
STATE: No information on condition, no information on danger

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan

SCHEME DATE: 25 May 1989;
14 Apr 1993

STATUS: Scheduled
NUMBER: 19/38
CRITERIA: Regional; Local; Historical; Scientific

DESCRIPTION: 1. This site consists of an historically constructed stone wall by Ernest Ellett c.1872 which leads to Maungataketake. The reference by S. Bulmer is from Tonson, 1966; SE 295.

KEYWORDS: STONE WALL; MAUNGATAKETAKE; HISTORIC; EUROPEAN; REPORTED; STONework

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 295

RECORD UPDATE: 26-Jun-1995

Computer No: HN 4943

SITE NO: R11 /697
TYPE: STONE WALL/ MIDDEN (SHELL)

DATE RECORDED: 20 Feb 1979; 1994
REPORTED BY: Student Community Service Project (SCSP) 1978-79; Sewell, Brenda
LAST VISITED: 1994
RECORD STATUS: Brief; Sketchmap; Location map; Aerial Photograph
4604/11-12

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 739
IMPERIAL GRID REFERENCE: E228700 N648500

METRIC MAP SHEET: R11
METRIC SITE NO: 697
METRIC GRID REFERENCE: E2667800 N6471000
NEW METRIC GRID REFERENCE: E2667901 N6471060

LOCAL AUTHORITY: Manukau City
LOCATION: Ambury Regional Park; Mangere
OWNER: Auckland Regional Council, Regional Parks Service,
ADDRESS: Private Bag 61982, Newton, AUCKLAND
LEGAL DESCRIPTION: Allotment 1 D.P. 43773; Part Allotments 85, 86, SS 204;
Allotment 1 D.P. 44591; Allotment 2 D.P. 44591; Allotment 3 D.P.
44591; Allotment 1 D.P. 61064; Part Allotment 1 D.P. 10656; Part
Allotment 2 D.P. 61064; Part Allotment 1 D.P. 44296; Part Allotment 1
D.P. 43581; Part Allotment 2 D.P. 43581; Part Allotment 2 D.P. 70195;
Part Allotments 52, 53, 85 D.P. 11907

LAND CLASSIFICATION: local body land
STATE: intact, no information on danger

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District

Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan

SCHEME DATE: 25 May 1989;
14 Apr 1993

STATUS: Scheduled

NUMBER: 4/15

CRITERIA: Traditional; Regional; Historical; Local; Visual;
Scientific

DESCRIPTION: 1. This Site consists of a stone wall with enclosure. The wall is 18m long x 1m wide x 0.5m high and the enclosure measures 7m long x 5m wide. Midden of cockle and oyster occurs at the enclosure. At right angles to this feature runs other stone row forming a field system.

ADDITIONAL NOTES: 1. Additional information by Brenda Sewell, (1988) notes that R11/697 could not be located.

2. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:30; SE 344). "Although the sites in Ambury Park are in a relatively poor state of preservation, they are the only area of prehistoric stone structures in public ownership in greater Auckland. When this area was occupied by the Maori people their settlements and gardens spread from the cone of Mangere Mountain to the foreshore. Apart from the cone itself the sites in Ambury Park are all that remain of this widespread occupation. Over 90 features in the Reserve have been recorded with NZ Archaeological Association under separate site numbers. It is extremely difficult to define the boundaries of individual features or sites when all are apparently inter-related as at Ambury park, especially when many features are part of a more complex grouping. However, the sites in the Reserve fall naturally into three groups or zones. Three site numbers have been used to designate each zone (i.e. R11/697, R11/724 and R11/819). A (the most westerly group of sites) is composed of many rocky outcrops and associated caves and clefts from which numerous burials have been recovered. Caves, midden and occupation sites are the most commonly recorded features. Sites R11/724 is a typical feature for this zone and this site number is used to denote this zone. Zone B includes stone walls, enclosures, rows and platforms, middens and mounds and indicates use of this area and of the volcanic rocks available. The number of stone walls and enclosures suggest intensive horticulture practices. B Site R11/697 is used in this report to include all the sites and features in this zone. The archaeological features in zone C are more scattered and have been subjected to disturbance. A few stone piles and mounds have been recorded but the majority of features are midden. Three are recorded as possible occupation sites. Site No. R11/819 is used to include all the sites in zone C. Fig. 4.3 shows the location of all recorded features in Ambury Park."

3. Additional information by Brenda Sewell, (1994) appears to have relocated the R11/697 site, probably after grazing removed the grass.

KEYWORDS: STONE WALL; MIDDEN; COCKLE; OYSTER; STONework

CHI BIBLIOGRAPHY REFERENCES: SE 62; SE 199; SE 1884; SE 1979; SE 344

RECORD UPDATE: 26-Jun-1995

Computer No: HN 4851

SITE NO: R11 /724

TYPE: CAVES/ MIDDENS (SHELL)

DATE RECORDED: 16-Jan-1979; 1994
REPORTED BY: Grant, Janet; Slane, Chris; White, Glenn; Sewell, Brenda
LAST VISITED: 20 Apr 1994
RECORD STATUS: Brief; Sketchmap; photos; Aerial Photographs 46044/11-12
and 1923/25-6

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 766
IMPERIAL GRID REFERENCE: E227700 N648700

METRIC MAP SHEET: R11
METRIC SITE NO: 724
METRIC GRID REFERENCE: E2666900 N6471400
NEW METRIC GRID REFERENCE: E2667007 N6471250

LOCAL AUTHORITY: Manukau City
LOCATION: Ambury Regional Park; Mangere
OWNER: Auckland Regional Council
ADDRESS: Private Bag 68912, Newton, AUCKLAND
LEGAL DESCRIPTION: (Description as for site R11/697).

LAND CLASSIFICATION: local body land
STATE: partly damaged, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan

SCHEME DATE: 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 1/3
CRITERIA: Traditional; Regional; Historical; Local; Visual;
Scientific

DESCRIPTION: 1. This site consists of several caves with associated midden
consisting of cockle, pipi, oyster scallop and gastropod.

ADDITIONAL NOTES: 1. Additional information by Brenda Sewell (1988) notes
a lack of midden associated with cave the sites.
2. Additional information Foster, Green and Sewell (Aug 1988): Site is
included in the DOC publication entitled "An Initial Assessment of
Some Sites of Archaeological, Traditional and Historic Significance
Within Manukau City (Foster, Green and Sewell Aug 1988:30; SE 344).
(See notes for site R11/697).
3. Additional information by Brenda Sewell (1994) notes that the area is
covered with timber and logs used by the ARC, but suggests the sites
may be intact beneath the timber.

KEYWORDS: CAVE; MIDDENS (SHELL); OYSTER; PIPI; GASTROPOD; COCKLE; SCALLOP

CHI BIBLIOGRAPHY REFERENCES: SE 8; SE 62; SE 199; SE 1884; SE 1979; SE 344

RECORD UPDATE: 1-Jul-1995

Computer No: HN 6289

SITE NO: R11 /819
TYPE: PLATFORMS/ MIDDENS (SHELL)

DATE RECORDED: 11 Jan 1979; 1988; 1994
REPORTED BY: Grant, Janet; Slane, Chris; White, Glenn; Sewell, Brenda
LAST VISITED: 1994

RECORD STATUS Brief; Sketchmap; Aerial Photograph 4604/11-12; Photos

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 862

IMPERIAL GRID REFERENCE: E229300 N648100

METRIC MAP SHEET: R11

METRIC SITE NO: 819

METRIC GRID REFERENCE: E2668300 N6470700

NEW METRIC GRID REFERENCE: E2668396 N6470730

LOCAL AUTHORITY: Manukau City

LOCATION: Pony Club; Ambury Regional Park; Mangere

OWNER: Auckland Regional Council

ADDRESS: Private Bag 61982, Newton, AUCKLAND

LEGAL DESCRIPTION: (As for site R11/697)

LAND CLASSIFICATION: local body land

STATE: intact, little future danger

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan

SCHEME DATE: 25 May 1989;

14 Apr 1993

STATUS: Scheduled

Scheduled

NUMBER: 5/21

CRITERIA: Traditional; Regional; Local; Visual; Scientific; Historical

DESCRIPTION: 1. This site consists of several platforms with midden, suggesting a settlement area.

ADDITIONAL NOTES: 1. Additional information by Brenda Sewell (1988) noted the middens consisting of scallop, cockle and oyster mainly in black matrix. Lava ridges appear to have been occupied.

2. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:30; SE 344). (See notes for site R11/697).

3. Additional information by Brenda Sewell (1994) notes platform areas to be natural lava flows, and midden greatly disturbed, and suggests the natural formations would have been suitable living areas.

KEYWORDS: SETTLEMENT; MIDDENS (SHELL); COCKLE; SCALLOP; OYSTER

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 344

RECORD UPDATE: 1-Jul-1995

Computer No: HN 5808

SITE NO: R11 /1633

TYPE: FLOUR MILL SITE (HISTORIC)

DATE RECORDED: ?1988

REPORTED BY: Sewell, Brenda

LAST VISITED: 1988

RECORD STATUS Brief

IMPERIAL MAP SHEET: N42

IMPERIAL GRID REFERENCE: E242300 N641100

METRIC MAP SHEET: R11

METRIC SITE NO: 1633

METRIC GRID REFERENCE: E2680100 N6463900

LOCAL AUTHORITY: Manukau City

LOCATION: Auckland Regional Botanic Gardens; Puhinui
Stream; Manurewa

OWNER: Auckland Regional Botanic Gardens

ADDRESS: Manurewa

LEGAL DESCRIPTION: D.P. 59551 Part 3

LAND CLASSIFICATION: local body land

STATE: intact, no information on danger

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan

SCHEME DATE: 25 May 1989;

14 Apr 1993

STATUS: Scheduled

CRITERIA: Local; Historical; Scientific

DESCRIPTION: 1. This site consists of a shallow depression where the mill
stood. A deeper, narrower depression for the water wheel exists along
side the upper Puhinui Stream. The wheel race wheel is said to be c.2m
in diameter.

ADDITIONAL NOTES: 1. Additional information Foster, Green and Sewell (Aug
1988): Site is included in the DOC publication entitled "An Initial
Assessment of Some Sites of Archaeological, Traditional and Historic
Significance Within Manukau City (Foster, Green and Sewell Aug
1988:39-40; SE 344). "The visual remains of this flour mill are
slight. They consist of a mill race from a former dam further
upstream, a shallow rectangular depression where the mill itself
stood, and a deeper, more narrow trench at right angles to the stream
where the mill wheel was housed. The mill was established in 1855 (A.
La Roche pers. comm.). There is no drawing of this site. However
Fig. 5.4 can be used as an aid to relocation. The significance of
this site lies in its regional historical interest, especially in view
of the fact that few historic sites of this type have been recorded
and even less preserved."

KEYWORDS: HISTORIC; FLOUR MILL (HISTORIC); EUROPEAN

CHI BIBLIOGRAPHY REFERENCES: SE 344 pp. 40-41; SE 1884

RECORD UPDATE: 24-Nov-1994

Computer No: HN 5236

SITE NO: S11 /15

TYPE: PA (HEADLAND)

NAME: Omana Pa

DATE RECORDED: 16 May 1976; 12 Jul 1988; 2 Nov 1993

REPORTED BY: Fox, Aileen; Sewell, Brenda; Foster, Russell, Roger Green
and Brenda Sewell; Lawlor, Ian

LAST VISITED: 2 Nov 1993

RECORD STATUS: Brief; Sketch plan; Photographs

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 323
IMPERIAL GRID REFERENCE: E253200 N657300

METRIC MAP SHEET: S11
METRIC SITE NO: 15
METRIC GRID REFERENCE: E2690400 N6478500

LOCAL AUTHORITY: Manukau City
LOCATION: Omana; Beachlands; Omana Regional Park; Pakuranga
Ward
OWNER: Regional Parks Service, Auckland Regional Council
ADDRESS: Private Bag 68 912, Newton, AUCKLAND
LEGAL DESCRIPTION: D.P. 25802

LAND CLASSIFICATION: local body land
STATE: partly damaged, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan
SCHEME DATE: 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 29/7
CRITERIA: Regional; Local; Historical; Visual; Scientific

DESCRIPTION: 1. Located on a headland at the end of ARC Park. Footpath access. Shown on NZMS1 map. It is in a good state of preservation; ditch has been cleaned out by bulldozer. Some stock grazing. The site comprises a rectangular ringditch pa, defended by a deep ditch and small bank on 3 sides and by the cliff to the sea. The interior (73 x 38p*) is flat, with indications of 3 or 4 filled storage pits and 2 levelled ?house sites (6 x 4p). (The latter may also be pits.) There are 2 or 3 pits outside the defences to the northeast. Midden is mostly cockle exposed in a recent cut through the rampart on the southwest side and in erosion on the north side. The Ranger says more shells were found when planting a belt of trees in the adjoining paddock to the southeast. (* p stands for paces).

- ADDITIONAL NOTES: 1. Additional information by Brenda Sewell (12 Jul 1988): Records that the state of the site is good and notes that a signposted walking track goes along the ditch. Large holes present where big iron stakes have been hammered into the sides of the bank and in the ditch to hold chains for 3 goats which crop the grass on the pa.
2. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:16-17; SE 344). "This pa is an example of a "ring-ditch" pa (Fig. 2.6). A ditch defended this pa on only three sides, the cliff edge forming the fourth side. Pa with this form of defence are now very unusual along the shores of the Waitemata Harbour although several are recorded on the Manukau Harbour shore. They were possibly much more common, most having been flattened by farm and city development, but Omana is an example that is still in a good state of preservation."
3. Additional information (25 May 1989): Site is scheduled (20C No. 29/7) with the "Manukau Proposed Second Reviewed District Scheme" (25 May 1989:26).
4. Additional information by Ian Lawlor (2 Nov 1993): Inspected site with Tony Oliver, a Principal Ranger (Southern Parks) with the ARC Regional Parks Service (RPS). The RPS has proposed to develop a wheelchair path from the carpark along the foreshore to the pa. The path is to be placed outside of the ditch defences and will not damage, destroy or modify any recorded earthworks associated with the pa. However, it has been recommended that when the path is being developed and

cultural material is exposed, an archaeologist will be called to record and monitor work.

KEYWORDS: PA (HEADLAND); RINGDITCH; MIDDEN; SHELL; PITS; DITCH; BANK

CHI BIBLIOGRAPHY REFERENCES: SE 344 pp. 16-17; SE 1884 p.24; SE 348 p. 26;
SE 344

RECORD UPDATE: 5-Jun-1995

Computer No: HN 5237

SITE NO: S11 /53
TYPE: PA (HEADLAND)
NAME: Oue Pa

DATE RECORDED: 1965
REPORTED BY: Mr Nicholls; Fisher, Vic; Leahy, Anne; Fox, Aileen; Bulmer,
Susan; Harsant, Wendy; Sewell, Brenda
LAST VISITED: 1988
RECORD STATUS Detailed; Maps; Plans; Reports; Photos

IMPERIAL MAP SHEET: N43
IMPERIAL SITE NO: 35
IMPERIAL GRID REFERENCE: E259000 N651700

METRIC MAP SHEET: S11
METRIC SITE NO: 53
METRIC GRID REFERENCE: E2695700 N6473400

LOCAL AUTHORITY: Manukau City
LOCATION: Umupuia; Clevedon; Wairoa River Mouth
(northwestern coast)
OWNER: Duder, C. F.
ADDRESS: North Road R.D. 1 Clevedon
LEGAL DESCRIPTION: Allotment 7, D.P. 31974 Whakakaiwhara Block, Wairoa
S.D.

LAND CLASSIFICATION: private farm
STATE: partly damaged, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan
SCHEME DATE: 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 38/7
CRITERIA: Historical; Local; Traditional; Visual; Scientific

DESCRIPTION: 1. W. Harsant (1981) shows all the features of this site
including the trench, platforms, house sites, banks, and terraces.

ADDITIONAL NOTES: 1. Additional information by Sewell, B. (1988) notes
slight damage to the trench/ditch and midden by tree felling.
2. Additional information Foster, Green and Sewell (Aug 1988): Site is
included in the DOC publication entitled "An Initial Assessment of
Some Sites of Archaeological, Traditional and Historic Significance
Within Manukau City (Foster, Green and Sewell Aug 1988:46-47; SE
344). "This small pa has traditional and scientific importance as
well as being visually appealing. It is situated on a small headland
rising from the surrounding swamps and is clearly visible from the
Clevedon Road. The defences of the pa consist of three ditches and

banks, the inner defences guarding the tihi or citadel of the pa (Fig. 6.2). It is said that there was palisade around the base of the pa at the seaward end (Tonson 1966:177; SE 295). Students from Ardmore College excavated parts of this pa in the early 1950s - the results of which were written up in 1981 (Harsant 1981; SE 438). The many artefacts recovered from this excavation are of considerable note and include 10 adzes, greenstone pendant and chisel, fishing sinker and pieces of fish hook and bird spears as well as items of European origin. The importance of this pa lies in the fact that it was occupied in the late prehistoric and early historic periods as evidenced by the artefacts as well as traditional sources. The Ngai Tai have accounts from people living in the pa and burying their dead by wrapping the corpses in flax cloaks and pushing them down into the soft mud in the bay to the north of the pa. The whole of this bay is considered to be wahi tapu by Ngai Tai people."

KEYWORDS: PA (HEADLAND); DITCHES; BONES (HUMAN); BANK; PLATFORMS; FINDSPOT (ARTEFACTS); WAHI TAPU; TERRACES; INVESTIGATION; EXCAVATION; MIDDEN

CHI BIBLIOGRAPHY REFERENCES: SE 295; SE 344; SE 438; SE 1884

RECORD UPDATE: 9-Dec-1994

Computer No: HN 5950

SITE NO: S11 /54
TYPE: PA (RIDGE)

DATE RECORDED: 1965; 1975; 1977; 1988
REPORTED BY: Mr Nicholls; Fox, Aileen; Easdale, S.; Sewell, Brenda
LAST VISITED: 1988
RECORD STATUS Detailed; Maps; Photos; Aerial Photographs

IMPERIAL MAP SHEET: N43
IMPERIAL SITE NO: 36
IMPERIAL GRID REFERENCE: E259300 N651200

METRIC MAP SHEET: S11
METRIC SITE NO: 54
METRIC GRID REFERENCE: E2695900 N6472800

LOCAL AUTHORITY: Manukau City
LOCATION: Oue; Clevedon; Wairoa River Mouth (Northwestern coast)
OWNER: Mr McKenzie
ADDRESS: North Road Clevedon
LEGAL DESCRIPTION: D.P. 30672 Part 3

LAND CLASSIFICATION: private farm
STATE: intact, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan
SCHEME DATE: 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 38/6
CRITERIA: Historical; Scientific; Local

DESCRIPTION: 1. The main features of this pa site are illustrated on Easdale's map including the ditch and bank, terraces, midden, pits, scarps, and tihi, (including 30 Pits).

ADDITIONAL NOTES: 1. Additional information by Sewell (1988) notes not as much midden visible as in the 1977 map, and the large pit on the platform is fenced off with Pohutukawa trees planted to commemorate 3 family members who owned the farm and whose ashes are scattered there.

2. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:48-49; SE 344). "It is recommended that this pa be included in the District Scheme as a contrast to Oue Pa only 600m to the north. This pa is on the end of a ridge, at right angles to the coast. The defensive ditches at Oue are deep and impressive, cutting across the headland, with an inner bank. In contrast the ditch at S11/54 is an extension of a natural gully with an outer inner bank (Fig. 6.3). No pits are recorded at Oue whereas this area has at least 40 pits. There are remains of several features and midden along the coastal strip between the two pa, but it is not known whether they were both occupied at the same time."

KEYWORDS: PA (RIDGE); TERRACES; PITS; DITCH; BANK

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 344

RECORD UPDATE: 19 Sep 1994

Computer No: HN 5348

SITE NO: S11 /69
TYPE: PA (HILL)
NAME: Orere School Pa

DATE RECORDED: 1 Feb 1966; 25 Apr 1974; 12 Jul 1988
REPORTED BY: Mr Nicholls; Fox, Aileen and P. Smith; Sewell, Brenda
LAST VISITED: 1988
RECORD STATUS Detailed; Maps; Plans

IMPERIAL MAP SHEET: N43
IMPERIAL SITE NO: 52
IMPERIAL GRID REFERENCE: E273400 N644800

METRIC MAP SHEET: S11
METRIC SITE NO: 69
METRIC GRID REFERENCE: E2708600 N6466600

LOCAL AUTHORITY: Manukau City
LOCATION: Orere Point
OWNER: Mandeno , G.
ADDRESS: Orere

LAND CLASSIFICATION: private land
STATE: partly damaged, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan
SCHEME DATE: 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 32/5
CRITERIA: Visual; Scientific

DESCRIPTION: 1. Nicholls notes the pa as being in quite good condition

with some erosion.

ADDITIONAL NOTES: 1. Additional notes by Fox, A. and Smith, P. (1974) add detail such as two transverse ditches with ramparts, terraces, stone edged heath and pits. Fox included a map which was redrawn by Bulmer, S. (1979).

2. Additional notes by Sewell, B. (1988) details the defences, viz, 1. An outer depression as being possibly a ditch filled in 1m deep x 4m wide x 2.5m rising to where the bank exists. 2. An outer ditch and remains of a bank 2m wide x 2m deep x 2.5m rising to where the bank exists. 3. An inner ditch and bank 1.5m wide x 2m high with a terrace on the eastern slopes running into the ditch. A stone edged hearth on the lower terrace consists of two rocks set in the ground.

3. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:52-53; SE 344). "Defence of this pa rested heavily on the natural hill slopes. The only vulnerable point was along the crest of the ridge and here there were two (or possible three) ditches defending the high point (Fig. 6.8). Few features were visible within the defended area. These were pits. Of note are two rocks forming a right angle set into the ground. These are usually interpreted as forming a hearth for heating rather than cooking. Other features of interest are three stone and earth mounds on the flat at the foot of the ridge and it is possible that these were used for some horticultural purpose. The importance of this pa lies in its location some 3 km from the coast up a river valley, where it could have served as a hidden retreat for those people usually living by the sea. Visually it is most impressive from the road, its outline and defences being silhouetted against the skyline."

KEYWORDS: PA (HILL); STONESTONEWORK; STONE MOUNDS; EARTH MOUNDS; GARDENING; PITS; DITCHES; BANKS; TERRACES

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 344

RECORD UPDATE: 20-Dec-1994

Computer No: HN 5349

SITE NO: S11 /75

TYPE: PA (RIDGE)

NAME: Pawhetau (Taupo) Pa

DATE RECORDED: 1969; 7 Dec 1974; 12 Jul 1988

REPORTED BY: Davidson, Janet; Fox, Aileen; Sewell, Brenda

LAST VISITED: 1988

RECORD STATUS detailed; map; publication

IMPERIAL MAP SHEET: N43

IMPERIAL SITE NO: 59

IMPERIAL GRID REFERENCE: E265800 N649600

METRIC MAP SHEET: S11

METRIC SITE NO: 75

METRIC GRID REFERENCE: E2701900 N6471200

LOCAL AUTHORITY: Manukau City

LOCATION: Pawhetau Point; ICI Farm; Kawakawa Bay; Clevedon

LAND CLASSIFICATION: commercial concern

STATE: intact, little future danger

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan

SCHEME DATE: 25 May 1989;
14 Apr 1993

STATUS: Scheduled

NUMBER: 31/9

CRITERIA: Regional; Visual; Scientific; Traditional; Historical;
Local

DESCRIPTION: 1. This site consists of 3 ditches, banks and 1 pit.
(Information supplied by Janet Davidson).

ADDITIONAL NOTES: 1. Additional information by Aileen Fox (7 Dec 1974):

In an article in the Records of the Auckland Institute and Museum, Fox describes this headland pa as being defended by 3 transverse ditches. The economic resources are discussed and after an examination of the archaeological and historical evidence, the site is tentatively identified as the residence of Te Haupa, chief of the Ngati Paoa in the early nineteenth century. Human bones were dated by their collagen content to about AD 1600 by the Institute of Nuclear Sciences (R2548 350 - + 80 B.P).

2. Additional information by Brenda Sewell (1988): notes that with the exception of a very large pit on the tihi, not many pits are visible on the terraces.
3. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:54-55; SE 344). "This headland pa, with three deep transverse ditches is a most impressive site from the Kawakawa Bay Road being an excellent example of a large headland pa and quite worthy of note on visual grounds alone (Fig. 6.6). However, its traditional importance to the Ngati Paoa people is of greater consequence. they claim occupation of the pa from the 16th century onwards. A description of the pa and some of its history is contained in Fox, A. (1974; SE 107). It is defended by a series of three ditches cutting off the headland. Within the defended area are many terraces, some of which contain storage pits. It was the home of the Ngati Paoa chief, Te Haupa, in the early 19th century and it is said that it was one of the few pa attacked by the Ngapuhi in the 1820s that did not fall."

NZHPT CLASSIFICATION: Category II
B

Registered

NZHPT RECORD NUMBER: 6202

KEYWORDS: PA (RIDGE); DITCHES (TRANSVERSE); BONES (HUMAN); TIHI; PITS;
TERRACES; AGE ESTIMATE (BONE COLLAGEN); BANKS; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 344 p.54-55; SE 434; SE 1884

RECORD UPDATE: 13-Dec-1994

Computer No: HN 5350

SITE NO: S11 /76

TYPE: PA (HEADLAND)

NAME: Maraetai Pa

DATE RECORDED: Feb 1969; May 1969; Apr 1978 (Reported); Jun 1977; Jul 1988

REPORTED BY: Davidson, Janet; Law, R. G. (Garry); Fox, Aileen; Bulmer, Susan; Sewell, Brenda

LAST VISITED: 1988
RECORD STATUS Detail; Plans; Photos

IMPERIAL MAP SHEET: N43
IMPERIAL SITE NO: 60
IMPERIAL GRID REFERENCE: E256300 N656700

METRIC MAP SHEET: S11
METRIC SITE NO: 76
METRIC GRID REFERENCE: E2693300 N6478000

LOCAL AUTHORITY: Manukau City
LOCATION: Maraetai Point; Maraetai Beach
OWNER: Mr Ross
ADDRESS: Flat 3 Polygan Street Saint Heliers
LEGAL DESCRIPTION: Part Waiomanu

LAND CLASSIFICATION: private land
STATE: intact, little future danger

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan
SCHEME DATE: 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 38/8
CRITERIA: Historical; Local; Visual; Scientific

DESCRIPTION: 1. This site is reported by Janet Davidson and Garry Law who note its condition as being good, but site contents are not mentioned.

ADDITIONAL NOTES: 1. Bulmer, S. (1978) quotes Tonson (1966:177) who quoted Fenton that Maraetai Pa had 200 residents in 1839.
2. Additional information by Bulmer, S. also notes that Fox, A. (1977): describes the physical attributes of the Pa and points out that traditionally the Pa was associated with Ngai Tai in the 18th century.
3. Additional information by Sewell, B. (1988) notes an additional pit to the north of the southern group as well as a dished terrace on the northern slopes.
4. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:18-19; SE 344). "This is a typical headland pa with natural defences by way of steep cliffs on three sides and a substantial ditch on its most vulnerable landward sites (Fig. 2.7). It has an impressive visual impact from Maraetai Beach and Waiomanu Beach where the terracing and deep ditch are outlined against the sky. It is said to have traditional importance to the Ngai Tai people who occupied the pa in the 18th century. The layout of the settlement shows clearly in its surface features with house sites, terraces and pits on three side of a large open space, possibly the marae. The ditch is on the fourth side."

KEYWORDS: PA (HEADLAND); PITS; HOUSE SITES; TIHI; DITCH; BANK; TERRACE

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 344

RECORD UPDATE: 23-Nov-1994

Computer No: HN 5954

SITE NO: S11 /107
TYPE: PA (HEADLAND)

DATE RECORDED: 21 Oct 1973; 12 Jul 1988
REPORTED BY: Fox, Aileen; Sewell, Brenda
LAST VISITED: 1988
RECORD STATUS Detailed; Sketchplan (2); Aerial Photographs; Photos

IMPERIAL MAP SHEET: N43
IMPERIAL SITE NO: 91
IMPERIAL GRID REFERENCE: E260600 N649600

METRIC MAP SHEET: S11
METRIC SITE NO: 107
METRIC GRID REFERENCE: E2697100 N6471300

LOCAL AUTHORITY: Manukau City
LOCATION: Pouto Point Pa; Wairoa River Headland; Kauri Bay
OWNER: McCallum
LEGAL DESCRIPTION: Part 1A1B Mataitai Block

LAND CLASSIFICATION: private farm
STATE: intact, little future danger

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan
SCHEME DATE: 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 38/4
CRITERIA: Historical; Visual; Scientific; Local

DESCRIPTION: 1. This site consists of a pa site. Fox, A. notes 3 transverse ditch and bank fortifications and internal pits and terraces.

ADDITIONAL NOTES: 1. Additional information by Sewell, B. (1988) notes little change.
2. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:50-51; SE 344). (Note: Site is incorrectly identified as Poutu Point Pa. It should be Pouto rather than Poutu). "The field evidence from this pa suggests that it was of strategic importance at the entrance of the Wairoa River. (The occupants would have been able to identify all canoes going up or down the river). The double ditches are artificially steepened scarps towards the end of the headland indicate strong defences against attack from the land and from the seaward side of the point. The more gentle slopes and terracing to the south and facing up the river suggest that the top of the headland was defended with palisading all along its southern side (Fig 6.4). The importance of this pa lay in its control of craft using the river and as a lookout."

KEYWORDS: PA (HEADLAND); DITCHES (TRANSVERSE); BANKS; MIDDENS; SHELL; PITS; TERRACES

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 344

RECORD UPDATE: 9-Dec-1994

Computer No: HN 5955

SITE NO: S11 /108
TYPE: PA (HILL)

DATE RECORDED: 4 Apr 1973; 12 Jul 1988; Aug 1992
REPORTED BY: Fox, Aileen; Sewell, Brenda; Young, Amanda
LAST VISITED: 1988; 1992
RECORD STATUS Detailed; Maps; Plans; Excavation report.

IMPERIAL MAP SHEET: N43
IMPERIAL SITE NO: 92
IMPERIAL GRID REFERENCE: E260200 N648800

METRIC MAP SHEET: S11
METRIC SITE NO: 108
METRIC GRID REFERENCE: E2696900 N6470700

LOCAL AUTHORITY: Manukau City
LOCATION: Wairoa River Estuary; Clevedon
OWNER: Chamberlin J.R.
ADDRESS: Kawakawa Bay Road
Clevedon
LEGAL DESCRIPTION: Part Allotment 2 D.P. 70912

LAND CLASSIFICATION: private farm
STATE: intact, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan
SCHEME DATE: 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 38/5
CRITERIA: Historical; Visual; Scientific; Local

DESCRIPTION: 1. Fox reports a 20m long transverse ditch and bank to the north, and a ring ditch and scarp on the south east. Terraces, tihi, house sites and midden are features included.

- ADDITIONAL NOTES: 1. Additional information by Sewell (1988) points out that the "ring - ditch" noted by Fox may be from current farming practices or a terrace.
2. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:52-53; SE 344). "This pa, only 600m to the southwest of S11/53, is quite different in form. It is a naturally high knoll, the sides of which have been artificially steepened presenting a regular square outline clearly visible from the Clevedon-Kawakawa Bay Road. The squared look of the platform is enhanced by a modern farm track. The only clearly defined ditch is 60m to the north of the platform cutting across the most narrow portion of the ridge top and defending the most vulnerable side of the pa. The ditch extends some 30m down the western slopes of the ridge (Fig. 6.5). The significance of this pa lies in its form as well as its visual appeal. It is possible that this platform was defended on all sides by palisades."
3. Additional information by Young (1992) as a result of a short excavation verified, the existence of an undefined habitation site to the north of the pa with various phases of occupation.

KEYWORDS: PA (HILL); DITCH; BANK; TRANSVERSE; TERRACES; PITS; MIDDEN; SHELL; RING DITCH; EXCAVATION

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 344

RECORD UPDATE: 24-Nov-1994

Computer No: HN 5956

SITE NO: S11 /119
TYPE: PA (HEADLAND)
NAME: Tapapakanga Pa

DATE RECORDED: 20 Dec 1973; 11 Jun 1988; 24 May 1990; 2 Nov 1993
REPORTED BY: Fox, Aileen; Sewell, Brenda; Lawlor, Ian
LAST VISITED: 2 Nov 1993
RECORD STATUS Brief; sketch plans; photographs

IMPERIAL MAP SHEET: N43
IMPERIAL SITE NO: 103
IMPERIAL GRID REFERENCE: E276600 N645500

METRIC MAP SHEET: S11
METRIC SITE NO: 119
METRIC GRID REFERENCE: E2711500 N6467000

LOCAL AUTHORITY: Manukau City
LOCATION: Deerys Road; Ashby's Farm; Tapapakanga Regional
Park; Clevedon Ward
OWNER: Regional Parks Service, Auckland Regional Council
ADDRESS: Private Bag 68 912, Newton, AUCKLAND
LEGAL DESCRIPTION: Part 1C D.P. 25380

LAND CLASSIFICATION: local body land
STATE: intact, little future danger

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District plan
SCHEME DATE: 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 41/3
41/3
CRITERIA: Local; Historical; Visual; Scientific

DESCRIPTION: 1. Site is located on the north side of the mouth of the Tapapakanga Stream. It is approached by a private drive with a ford across the stream from Derry Road, leading to Mr Hick's house and to Ashby's farm on the beach. Site is in rough pasture and it is unlikely that it will be damaged unless it is sold for development. Zoned for Reserve by the ARA. The main enclosure of the site includes defences of a rampart, berm and ditch. The rampart (platform) is massive (20p* thick by 40p long by 5 to 10 feet high) extending across the headland from steep falls to the stream and bush. The berm (terrace) (21p wide) is edged with stones and the ditch is flat bottomed (30p wide) and dug in a natural gully. The interior is level (78p long by 40p wide tapering to 20p at the eastern end) and there are no pits. Entrances are located at either end of the rampart. There is probably an outer enclosure defined by a low, broad curved bank beside the road, and a short length of ditch on the cliff beside the stream. The pa is overlooked by higher ground to the west. It is an unusual type; could have been used for musket defence. The land owner is Mr Noel Hicks of 21 Cedar Road Mount Eden Auckland. (* p is for paced).

- ADDITIONAL NOTES: 1. Additional information by Brenda Sewell (11 Jun 1988): In addition to the features described by Fox, Sewell notes the presence of a pit within the defences to the east of the wall and a platform. She also noted that the new owner of the land is L. Bartley, A. Muir and B. Lowe, C/- Adrienne Muir, 15 Ruarangi Road, Mount Albert, Auckland. There is also a penned note to this SRF "(notified 3/2/89)".
2. Additional information (Aug 1988): Site is referenced in the DOC report entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City" by Foster, Green and Sewell (Aug 1988:60-61). Fox's interpretation that the pa was designed for musket defence is referenced and the earth and stone wall or bank located along the outer edge of the terrace is identified as a most unusual feature "rarely reported from elsewhere in the region and is of considerable significance" (p.60).
3. Additional information (25 May 1989): Site is scheduled for protection in the Manukau District planning scheme (Schedule 20C No. 41/3).
4. Additional information by Brenda Sewell (24 May 1990): Pa is defended by natural scarps on three sides. On the western end is an artificially steepened scarp 2m high with an earth and stone wall on top.
5. Additional information by Ian Lawlor (2 Nov 1993): Inspected site with Tony Oliver, ARC Regional Parks Service Principal Ranger (Southern Parks). Recommendations were made to shift a proposed toilet block away from the site area.

KEYWORDS: RINGDITCH; PA (HEADLAND); MIDDEN; SHELL; PIT; TERRACES; RAMPART; PLATFORM; BERM; TERRACE; PLATFORM; DITCH; BANK; STONework; STONE WALL; SIMPLE HEADLAND PA

CHI BIBLIOGRAPHY REFERENCES: SE 344 p. 60-61; SE 348 p. 26; SE 1884 p.24; SE 1171

RECORD UPDATE: 20-Dec-1994

Computer No: HN 5355

SITE NO: S11 /120
TYPE: PA (HEADLAND)
NAME: Whakakaiwhara Pa

DATE RECORDED: 24 Nov 1974; 11 Jul 1988
REPORTED BY: Fox, Aileen; Sewell, Brenda
LAST VISITED: 1988
RECORD STATUS Brief; Map Cross section.

IMPERIAL MAP SHEET: N43
IMPERIAL SITE NO: 104
IMPERIAL GRID REFERENCE: E260900 N654500

METRIC MAP SHEET: S11
METRIC SITE NO: 120
METRIC GRID REFERENCE: E2697400 N6475700

LOCAL AUTHORITY: Manukau City
LOCATION: Umupuia; Whakakaiwhara; Wairoa River
OWNER: Waikaro Farms
ADDRESS: Clevedon
LEGAL DESCRIPTION: Part Allotment 6 D.P. 31974, Block 2, Wairoa S.D.

LAND CLASSIFICATION: private farm
STATE: intact, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan
SCHEME DATE: 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 38/10
CRITERIA: Traditional; Visual; Scientific; Historical; Local

DESCRIPTION: 1. This pa consists of a transverse ditch and scarp c. 7m across the ridge x c.2m deep with central causeway. Internal features include pits, terraces, tihi, house sites. This pa is alleged to have been used as a look out for Oue Pa.

ADDITIONAL NOTES: 1. Additional information by Sewell (1988) notes the tihi as being more circular than square, and the ditch being 20m long. Also she notes there being no bank and that the "causeway" noted by Fox (1974) is possibly part of a farm track.
2. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:44-45; SE 344). "This is a well-preserved headland pa with a most impressive ditch cutting the pa off from the remainder of the headland (Fig. 6.1). The ditch provided the defences for the pa and may have also had palisading next to it; it is over 50m long and 1.5m wide at its base and it cuts through the rock to a depth of 4m. A break in the ditch appears to be part of the design of the pa and not the result of erosion or bulldozing for stock management and may formerly have been a well-defined entrance. This is a pa of immense traditional importance to the Ngai Tai people. Traditional account refer to the beaching of the Tainui Canoe long this part of the coast. It is also said to be the resting point of the Ngai Tai taniwha."

KEYWORDS: PA (HEADLAND); DITCH (TRANSVERSE); CAUSEWAY; PITS; TIHI; PLATFORMS; TANIWHA; TERRACES

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 344

RECORD UPDATE: 9-Dec-1994

Computer No: HN 5137

SITE NO: S11 /245
TYPE: STONE HEAPS

DATE RECORDED: 8 Jul 1975; 22 Jun 1988; 24 May 1990; 1994
REPORTED BY: Donovan, Lorna; Sewell, Brenda
LAST VISITED: 1994

IMPERIAL MAP SHEET: N43
IMPERIAL SITE NO: 233
IMPERIAL GRID REFERENCE: E275800 N645100

METRIC MAP SHEET: S11
METRIC SITE NO: 245
METRIC GRID REFERENCE: E2710900 N6466900

LOCAL AUTHORITY: Manukau City
LOCATION: Tapapakanga Stream; Tapapakanga Regional Park
OWNER: Auckland Regional Council
ADDRESS: Private Bag 68 912, Newton, AUCKLAND
LEGAL DESCRIPTION: D.P. 25380 Part 1C

LAND CLASSIFICATION: local body land
STATE: partly damaged, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan

SCHEME DATE: 25 May 1989;

14 Apr 1993

STATUS: Scheduled

NUMBER: 32/6

CRITERIA: Historical; Local; Visual; Scientific

DESCRIPTION: 1. This site occurs in an area of river flats, with four levels separated by natural scarps and a collection of stone heaps.

ADDITIONAL NOTES: 1. Additional information by Sewell, B. (1988) notes up to 40 stone heaps and 4 or 5 earth mounds, which appears to be evidence of clearance for horticultural purposes.

2. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:62-63; SE 344). "Alongside the Tapapakanga Stream in the Reserve there are eight archaeological sites recorded with the NZ Archaeological Association. These all consist of groups of stone heaps, some with pits close by. One of these (S11/245) is included in this report as a sample of this type found in the Reserve. It is located on alluvial flats to the south of the stream in the "camping ground paddock" (Fig. 6.10). The site consists of at least 40 stone heaps and four or five earth and stone mounds. The stone heaps appear to consist of nothing more than rocks - no earth was visible between the rocks and each heap contained a wide variety of stone sizes. Their appearance and haphazard location throughout the paddock suggests that they are the result of agricultural clearance. The soil profile seen in several cuttings indicates that there are many stones intermixed with the alluvial soil and it would seem reasonable to assume that clearance for horticulture is not unlikely. No concentrations of similar stone heaps have been recorded in the Auckland area although heaps of similar type have been found in Palliser Bay and Northland. The earth and stone mounds are smaller in diameter than the heaps and stand no more than 25cm from the surrounding ground level. These appear similar to those excavated in the Auckland area which have been dated to mid 16th century. Local oral tradition (according to farm manager, Mr Robson) states that the heaps were present when the first European farmer cleared the land. The uniqueness of these stone heaps and mounds means that not only do they have a visual interest, they are of considerable scientific importance."

3. Additional information by Sewell, B. (1990) notes in the most northerly paddock there are 90 stone heaps, few with soil. Probably for land clearance rather than growing mounds. In the southern paddock there are approximately 33 stone heaps. A list of 75 stone heaps is included with stone mounds.

4. Additional information by Brenda Sewell (1994) notes that, "two stone heaps at site S11/245 and part of the intervening land between the heaps in the Tapapakanga Regional Park were excavated prior to their destruction for a new access road to the beach. Excavation indicated that the stone heaps were made, probably late in the prehistoric period, in order to render the adjacent flat land suitable for horticulture".

KEYWORDS: STONE HEAPS; EARTH MOUNDS; STONework; GARDENING; HORTICULTURE; STONE MOUND; EXCAVATION

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 344 p. 63; SE 117 (Sewell B, 1994 June); SE 344; SE 1171; SE 431

RECORD UPDATE: 9-Jan-1995

Computer No: HN 5364

SITE NO: S11 /286
TYPE: PA (RIDGE)
NAME: Waimangu Stream Pa

DATE RECORDED: 10 Nov 1975
REPORTED BY: Donovan, Lorna; Sewell, Brenda
LAST VISITED: 1988
RECORD STATUS Detail; Plan

IMPERIAL MAP SHEET: N43
IMPERIAL SITE NO: 276
IMPERIAL GRID REFERENCE: E276500 N642300

METRIC MAP SHEET: S11
METRIC SITE NO: 286
METRIC GRID REFERENCE: E2711400 N6464000

LOCAL AUTHORITY: Manukau City
LOCATION: Waimangu Stream
OWNER: M Adams
ADDRESS: Matingarahi R.D. Clevedon

LAND CLASSIFICATION: private farm
STATE: partly damaged, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District
Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional
District Plan

SCHEME DATE: 25 May 1989;
14 Apr 1993
STATUS: Scheduled
NUMBER: 41/4
CRITERIA: Scientific; Historical; Local

DESCRIPTION: 1. The Pa consists of a headland with a ditch and bank and
possible second one. Also included are 1 platform, 17 terraces, 24
house terraces and 38 pits

ADDITIONAL NOTES: 1. Additional information by Sewell, B. (1988) notes no
further features over and above those recorded by Donovan (1975).
2. Additional information Foster, Green and Sewell (Aug 1988): Site is
included in the DOC publication entitled "An Initial Assessment of
Some Sites of Archaeological, Traditional and Historic Significance
Within Manukau City (Foster, Green and Sewell Aug 1988:62-63; SE
344). "This is a most impressive, large, and complex inland ridge
pa. It is situated on a ridge above the Waimangu Stream, inland from
Matingarahi, and commands a magnificent view of the Firth of Thames,
although it is virtually invisible from a distance as it blends with
all other ridges around and can not be seen on the skyline. The coast
is easily accessible down the Waimangu Stream. The map of all the
features drawn by L. Donovan in 1975 (Fig. 6.11) shows 38 pits, 17
well-defined terraces and a further 24 small terraces or depressions
which she interpreted as house terraces. The pa was defended by a
massive ditch cutting across the ridge 1m wide and 2.5m high on the
inward side. The number of features suggests that it was used by a
large number of people as an important and secret defended retreat."

KEYWORDS: PA (RIDGE); TERRACES; PITS; PLATFORMS; DITCH; TRANSVERSE; HOUSE

SITES; BANK

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 344; SE 431

RECORD UPDATE: 9-Dec-1994

Computer No: HN 5675

SITE NO: S11 /445

TYPE: PITS

DATE RECORDED: 25 Sep 1975; 19 Jul 1988

REPORTED BY: Donovan, Lorna; Sewell, Brenda

LAST VISITED: 1988

RECORD STATUS Brief; Sketchplan

IMPERIAL MAP SHEET: N43

IMPERIAL SITE NO: 444

IMPERIAL GRID REFERENCE: E272100 N644800

METRIC MAP SHEET: S11

METRIC SITE NO: 445

METRIC GRID REFERENCE: E2707400 N6466500

LOCAL AUTHORITY: Manukau City

LOCATION: Orere

OWNER: D Alpin

ADDRESS: Orere

LEGAL DESCRIPTION: Part 1 D.P. 59903

LAND CLASSIFICATION: private farm

STATE: intact, continuing minor damage

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;

Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan

SCHEME DATE: 25 May 1989;

14 Apr 1993

STATUS: Scheduled

NUMBER: 41/5

CRITERIA: Historical; Scientific; Local

DESCRIPTION: 1. This site consists of a probable living/occupation area, comprising 18 pits and 9 probable house depressions.

ADDITIONAL NOTES: 1. Additional information by Sewell, B. (1988) notes 18 pits along the crest of a spur.

2. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:56-57; SE 344). "This site extends for 90m down a spur to the northwest of Orere River and immediately to the east of the third tributary from the coast on the northern banks of the river. Flood conditions prevented access to the site. Donovan's 1975 map (Fig. 6.7) of the site shows 18 pits, together with nine depressions which she assumed to be house depressions. The importance of this archaeological site lies in the type of features represented. It is a good example of a large undefended pit complex, possibly associated with the terrace pa just to the south."

KEYWORDS: PITS; HOUSE DEPRESSIONS; DEPRESSIONS

CHI BIBLIOGRAPHY REFERENCES: SE 1884; SE 344

RECORD UPDATE: 24-Nov-1994

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APPENDIX 9:

**LIST OF
ARCHAEOLOGICAL
SITES REGISTERED
UNDER THE HISTORIC
PLACES ACT 1993 (BY
NZAA METRIC SITE
NUMBER)**

Computer No: HN 1797
SITE NO: R11 /1283
TYPE: STONE HEAP/ MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1064
IMPERIAL GRID REFERENCE: E227200 N644200

METRIC MAP SHEET: R11
METRIC SITE NO: 1283
METRIC GRID REFERENCE: E2666400 N6467200

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm
STATE: largely or completely destroyed, risk of severe damage

DESCRIPTION: 1. This site consists of a stone pile which measures 11m x 8m. Midden consisting of Chione, Pecten and Crassostrea is associated with the stone piles.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6061

KEYWORDS: STONE HEAP; STONE PILE; MIDDEN SHELL; CHIONE; PECTEN;
CRASSOSTREA; STONE WORKS; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 1798

SITE NO: R11 /1290
TYPE: STONE WALL/ MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: White, Glenn and Jeremy Bartlett
LAST VISITED: 1979
RECORD STATUS Brief

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1071
IMPERIAL GRID REFERENCE: E227200 N644000

METRIC MAP SHEET: R11
METRIC SITE NO: 1290
METRIC GRID REFERENCE: E2666300 N6467000

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm
STATE: largely or completely destroyed, no information on danger

DESCRIPTION: 1. This site consists of the remains of a stone wall and concentration of midden overlaid by a European stone wall, measuring 15m x 3m. Midden contents include, Chione, Pecten, Cominella, oyster and Alcihoë.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6068

KEYWORDS: STONE WALL; EUROPEAN; STONE WORK; MIDDEN SHELL; CHIONE; PECTEN;
COMINELLA; OYSTER; ALCITHOE; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 1804

SITE NO: R11 /1323
TYPE: MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief; Location Map

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1163
IMPERIAL GRID REFERENCE: E228300 N645000

METRIC MAP SHEET: R11
METRIC SITE NO: 1323
METRIC GRID REFERENCE: E2667400 N6467800

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Auckland Regional Council
ADDRESS: Private Bag 61982, Newton, AUCKLAND

LAND CLASSIFICATION: local body land
STATE: partly damaged, continuing minor damage

DESCRIPTION: 1. This site consists of a midden which is exposed in the upper 0.30m of a bank edge. The midden measures 19m long and also 20m to the north and south in isolated exposures of scattered shell. The shell are Chione, Paphies, Lunella and Pecten.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6084

KEYWORDS: MIDDEN SHELL; CHIONE; PAPHIES; LUNELLA; PECTEN; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 11-Nov-1994

Computer No: HN 1805

SITE NO: R11 /1324
TYPE: MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief; Sketch

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1164
IMPERIAL GRID REFERENCE: E228200 N644700

METRIC MAP SHEET: R11
METRIC SITE NO: 1324
METRIC GRID REFERENCE: E2667300 N6467500

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Wallace
ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: land classification not known
STATE: partly damaged, risk of severe damage

DESCRIPTION: 1. This site consists of scattered midden which occurs
exposed under a European stone wall, over an area c. 1m x 1m.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6085

KEYWORDS: MIDDEN SHELL; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 11-Nov-1994

Computer No: HN 1806

SITE NO: R11 /1325
TYPE: MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief; Sketchplan

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1165
IMPERIAL GRID REFERENCE: E228100 N644700

METRIC MAP SHEET: R11
METRIC SITE NO: 1325
METRIC GRID REFERENCE: E2667200 N6467600

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuaataua; Mangere
OWNER: Auckland Regional Council
ADDRESS: Private Bag 61982, Newton, AUCKLAND

LAND CLASSIFICATION: local body land
STATE: no information on condition, continuing minor damage

DESCRIPTION: 1. This site consists of a midden which is exposed.
Scattered shell occurs along the bank and is slumped. Shell is exposed
under basalt blocks and scattered over a wide area on the slope c.40
to 60m.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6086

KEYWORDS: MIDDEN SHELL; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 11-Nov-1994

Computer No: HN 1807

SITE NO: R11 /1327
TYPE: MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: Bates, Jeremy
LAST VISITED: 1979
RECORD STATUS Brief; Sketch location map; Aerial photos 1924/24-25

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1167
IMPERIAL GRID REFERENCE: E228200 N644800

METRIC MAP SHEET: R11
METRIC SITE NO: 1327
METRIC GRID REFERENCE: E2667300 N6467600

LOCAL AUTHORITY: Manukau City
LOCATION: Oruarangi Creek; Otuaataua; Mangere
OWNER: Auckland Regional Council
ADDRESS: Private Bag 61982, Newton, AUCKLAND

LAND CLASSIFICATION: local body land
STATE: no information on condition, risk of severe damage

DESCRIPTION: 1. This site consists of midden which occurs in a 3m high bank. It is slumped 16m long x 0.30m in a dark soil, and comprising Chione and Lunella.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6088

KEYWORDS: MIDDEN SHELL; SHELL; CHIONE; LUNELLA; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 11-Nov-1994

Computer No: HN 1808

SITE NO: R11 /1328
TYPE: MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: Bartlett, Jeremy
LAST VISITED: 1979
RECORD STATUS Brief; Location sketchmap; Aerial photos 1924/24-25

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1168
IMPERIAL GRID REFERENCE: E228300 N644700

METRIC MAP SHEET: R11
METRIC SITE NO: 1328
METRIC GRID REFERENCE: E2667300 N6467500

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuaataua; Mangere
OWNER: Auckland Regional Council
ADDRESS: Private Bag 61982, Newton, AUCKLAND

LAND CLASSIFICATION: land classification not known
STATE: No information on condition, no information on danger

DESCRIPTION: 1. This site consists of midden which is possibly mixed with fill and more recent rubbish/shell. Charcoal is present.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6089

KEYWORDS: MIDDEN SHELL; CHARCOAL; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 11-Nov-1994

Computer No: HN 1809

SITE NO: R11 /1338

TYPE: MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: Bartlett, Jeremy
LAST VISITED: 1979
RECORD STATUS Brief; Sketchmap

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1178
IMPERIAL GRID REFERENCE: E226700 N644500

METRIC MAP SHEET: R11
METRIC SITE NO: 1338
METRIC GRID REFERENCE: E2666000 N6467500

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Auckland Regional Council
ADDRESS: Private Bag 61982, Newton, AUCKLAND

LAND CLASSIFICATION: local body land
STATE: largely or completely destroyed, risk of severe damage

DESCRIPTION: 1. This site comprises midden along the coastline consisting of recent bone and shell, but extensive midden beneath. Contents include, Chione, Pecten Crassostrea, Strutheolaria, Lunella and Cominella and Paphies

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6095

KEYWORDS: MIDDEN; SHELL; CHIONE; PECTEN; STRUTHEOLARIA; PAPHIES;
LUNELLA;
COMINELLA; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 14-Nov-1994

Computer No: HN 1871

SITE NO: R11 /1727
TYPE: MIDDEN (SHELL)/ STONE ALIGNMENT/ ?TERRACES

DATE RECORDED: 1989
REPORTED BY: Sewell, Brenda
LAST VISITED: 1989
RECORD STATUS Brief

IMPERIAL MAP SHEET: N42
IMPERIAL GRID REFERENCE: E226700 N644500

METRIC MAP SHEET: R11
METRIC SITE NO: 1727
METRIC GRID REFERENCE: E2665900 N6467400

LOCAL AUTHORITY: Manukau City

LOCATION: Otutataua; Mangere Sewage Treatment Ponds; Mangere
OWNER: Auckland Regional Council
ADDRESS: Private Bag 61982, Newton, AUCKLAND

LAND CLASSIFICATION: local body land
STATE: partly damaged, continuing minor damage

DESCRIPTION: 1. This site consists of an area of 80m to 100m of exposed midden comprising cockle, scallop, whelk, Arabic volute, catseye, and mud oyster. An adze and hangi stones were found by Ray Clough of Mangere in the bulldozed area. The stratigraphy resulting from the bulldozing shows a 0.20m to 0.40m lens of solid midden shell. A 12m long rock alignment occurs to the north east of the midden. Two rock-free areas also occur nearby. One measures 5m x 2.5m and the other 5m x 5m with midden visible among surrounding rocks.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6103

KEYWORDS: MIDDEN; SHELL; SCALLOP; WHELK; ARABIC VOLUTE; CATS EYE; MUD OYSTER; ADZE; HANGI STONES; STONE ALIGNMENT; TERRACES; STONE WORKS;
REGISTERED

RECORD UPDATE: 20-Dec-1994

Computer No: HN 2630

SITE NO: R11 /25
TYPE: PA (VOLCANIC HILL)/ STONework
NAME: Matukutureia; Matukurua; Puhinui; McLaughlin's Mountain

DATE RECORDED: 1961; 1974; 1981; 1988; 1991
REPORTED BY: Brown, H.J.R. (Bob); Sullivan, Agnes; Lawlor, Ian; Sewell, Brenda; Bulmer, Susan
LAST VISITED: 1991
RECORD STATUS Detailed survey plan; Excavated

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 17
IMPERIAL GRID REFERENCE: E236300 N640700

METRIC MAP SHEET: R11
METRIC SITE NO: 25
METRIC GRID REFERENCE: E2674600 N6463700

LOCAL AUTHORITY: Manukau City
LOCATION: Wiri; Puhinui; Papatoetoe
OWNER: Fletcher Challenge Limited
Roscommon Quarry
LEGAL DESCRIPTION: Allotment 3 and Part 4 D.P. 73238

LAND CLASSIFICATION: private land
STATE: Partly damaged, continuing minor damage

DESCRIPTION: 1. Volcanic cone Pa site is a remnant, as a result of quarrying the surrounding field systems and settlement sites are

intact.

- ADDITIONAL NOTES: 1. Additional information by A. Sullivan (1974): Original survey of stone structures and features.
2. Additional information by Ian Lawlor (1981): notes the excavation of the south-western sewage interceptor pipeline route (see SE 179).
3. Additional information by Brenda Sewell (1988): notes the cone almost destroyed, but the surrounding stoneworks are intact.
4. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:40-43; SE 344). "Like Otuataua in Southwest Mangere, this area contains many related and complex features covering an area of 45 ha. It is referred to under the NZ Archaeological Association site number for the cone itself. The area is a well-preserved segment of the former 500 ha of stonefields around McLaughlin's and Wiri Mountains, all that now remains of these fields. It contrasts with the Otuataua fields in that it is an example of a prehistoric landscape, exemplifying kinds of Maori settlement and gardens the archaeological sites of which have not survived anywhere else. The NZ Historic Places Trust and the Department of Conservation wish to protect this area permanently, together with Otuataua, as the last example of these types of sites and landscapes (Fig. 5.5). The site, consisting of stone walls, heaps and mounds, middens and habitation sites, is unique as the last well preserved example of pre-European habitations and gardens in the Auckland stonefields. Radiocarbon dates from various parts of Matukurua indicate that it was occupied from at least as early as the 13th century. The gardens and other land were subdivided by walls and alignments, remnants of which are still visible in the fields. The remaining land also includes house sites and tuahu (sacred site). Almost all of the area proposed for protection has been mapped in detail. Fig. 5.6 is of the western portion only. The original drawing on which this map is based was taken from an aerial photograph by A. Sullivan in 1972 and field checked by her. The age and complete state of the features in this area make it unique and of immense scientific value of national and international importance."
5. Additional information by Susan Bulmer (1991): notes the remnants of the volcanic Pa and c.45 ha of volcanic fields and sites intact.

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6054

KEYWORDS: PA (VOLCANIC HILL); EXCAVATION; MIDDEN (SHELL); TERRACES;
STONE
WORK; FISH TRAPS; CONE; STONE WORKS; RADIOCARBON AGE ESTIMATE;
REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 14; SE 35; SE 36; SE 42; SE 70; SE 125; SE 141; SE 163; SE 166; SE 171; SE 177; SE 178; SE 179; SE 180; SE 182; SE 191; SE 194; SE 195; SE 215; SE 217; SE 237; SE 244; SE 266; SE 268; SE 278; SE 291; SE 306; SE 312; SE 320; SE 369; SE 370; SE 471; SE 1218; SE 1249; SE 1253; SE 1292; SE 1342; SE 344

RECORD UPDATE: 20-Dec-1994

Computer No: HN 3431

SITE NO: R11 /1300

TYPE: PITS/ MIDDEN (SHELL)/ TERRACE/ STONE WALLS

DATE RECORDED: 1979

REPORTED BY: White, Glenn

LAST VISITED: 1979

RECORD STATUS Brief

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 1153

IMPERIAL GRID REFERENCE: E227180 N644380

METRIC MAP SHEET: R11

METRIC SITE NO: 1300

METRIC GRID REFERENCE: E2666400 N6467300

LOCAL AUTHORITY: Manukau City

LOCATION: Ihumatao; Otuataua; Mangere

OWNER: Rennie

ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm

STATE: intact, continuing minor damage

DESCRIPTION: 1. The site consists of pits, midden and stone walls. The pits occur on a knoll and measure: 4m x 3m x 1.2m, 4m x 2m x 0.5m, 6m x 3m x 0.8m, 5m x 3m x 0.5m and 6m x 3m x 1.0m. The pits are bordered up slope to the east by stone walls and to the north west down slope by a terrace with extensive midden and stone walls c.5m long.

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6076

KEYWORDS: PITS; MIDDEN; SHELL; STONE WALLS; TERRACE; STONE WORKS; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4934

SITE NO: R11 /73

TYPE: STONE WALLS

DATE RECORDED: Aug-1961

REPORTED BY: Brown, H.J.R. (Bob); Taylor, Alan

LAST VISITED: 1961

RECORD STATUS Brief

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 66

IMPERIAL GRID REFERENCE: E227700 N644500

METRIC MAP SHEET: R11

METRIC SITE NO: 73

METRIC GRID REFERENCE: E2666800 N6467400

LOCAL AUTHORITY: Manukau City

LOCATION: Otutataua; Oruarangi Road; Ihumatao Road; Mangere

LAND CLASSIFICATION: Land classification not known

STATE: Partly damaged, continuing minor damage.

DESCRIPTION: 1. This site is bounded by the oxidation ponds of the Manukau Harbour and Oruarangi Road and Ihumatao Road. It consists of rambling stone walls representing Maori cultivation/gardening/living areas, and associated with the Oruarangi area of stonefields.

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6057

KEYWORDS: CULTIVATIONS; STONE WALLS; OTUATAUA; PUKEITI; ORUARANGI;
STONE
WORKS; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE279

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4966

SITE NO: R11 /843

TYPE: TERRACES/ STONE WALLS

DATE RECORDED: 16 Jun 1979

REPORTED BY: Coates, Jan. and Joan Maingay

LAST VISITED: 1979

RECORD STATUS Brief; Sketchmap

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 886

IMPERIAL GRID REFERENCE: E227100 N644300

METRIC MAP SHEET: R11

METRIC SITE NO: 843

METRIC GRID REFERENCE: E2666200 N6467200

LOCAL AUTHORITY: Manukau City

LOCATION: Otutataua; Mangere

OWNER: Rennie

ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm

STATE: intact, continuing minor damage

DESCRIPTION: 1. This site consists of a small stone faced terrace which has a stone wall constructed parallel between two parallel natural rock outcrops. No measurements given.

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6058

KEYWORDS: TERRACES; STONE WALLS; STONE WORKS; REGISTERED

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4969

SITE NO: R11 /864

TYPE: STONE WALLS/ MIDDENS (SHELL)/ CULTIVATIONS

DATE RECORDED: 1961; 28 Nov 1979; 1991

REPORTED BY: ?Brown, H.J.R. (Bob); White, Glenn and Jeremy Bartlett;
Walton, Tony.

LAST VISITED: 1991

RECORD STATUS Brief; Map; Plan; Area description

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 907

IMPERIAL GRID REFERENCE: E227000 N643900

METRIC MAP SHEET: R11

METRIC SITE NO: 864

METRIC GRID REFERENCE: E2666200 N6466900

LOCAL AUTHORITY: Manukau City

LOCATION: Otuataua; Ihumatao Road; Mangere

OWNER: L. B. and E Mendelssohn

ADDRESS: 296 Ihumatao Road Mangere

LAND CLASSIFICATION: private farm

STATE: intact, little future danger

DESCRIPTION: 1. This site consists of a broad with extensive stone walls and enclosures likely to be used for cultivation purposes. Level areas, stone lined terraces and platforms associated with extensive midden suggest occupation in pre-European times. Field systems on lava flow from Otuataua volcanic Cone.

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6059

KEYWORDS: STONE WORK; STONE WALLS; MIDDENS (SHELLS); CULTIVATIONS;
REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4973

SITE NO: R11 /1288

TYPE: STONE WALLS/ STONework

DATE RECORDED: 1979

REPORTED BY: White, Glenn and Jeremy Bartlett

LAST VISITED: 1979
RECORD STATUS Brief

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1069
IMPERIAL GRID REFERENCE: E226800 N644200

METRIC MAP SHEET: R11
METRIC SITE NO: 1288
METRIC GRID REFERENCE: E2666100 N6467200

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuaataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm
STATE: intact, continuing minor damage

DESCRIPTION: 1. This site consists of an extensive network of stonewalls, mounds and piles to make areas suitable for cultivation. Areas of occupation are evidenced by terraces, levelled areas and abundant midden deposits.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6066

KEYWORDS: STONE WALLS; STONE WORK; MIDDEN; TERRACES; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4974

SITE NO: R11 /1289
TYPE: STONE WALL/ MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: White, Glenn and Jeremy Bartlett
LAST VISITED: 1979
RECORD STATUS Brief

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1070
IMPERIAL GRID REFERENCE: E226900 N644300

METRIC MAP SHEET: R11
METRIC SITE NO: 1289
METRIC GRID REFERENCE: E2666100 N6467200

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuaataua; Manager
OWNER: Rennie
ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm

STATE: intact, continuing minor damage

DESCRIPTION: 1. This site consists of a stone wall which extends from a north-south running hedgerow and the Rennie/Mendelsson boundary junction along the line of the hedgerow. Midden exposures occur at frequent intervals especially on the western side of the wall. It consists predominantly of Chione, Lunella, and extends some 17m in length.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6067

KEYWORDS: STONE WALL; STONE WORK; MIDDEN SHELL; CHIONE; LUNELLA;
REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4975

SITE NO: R11 /1292
TYPE: STONE WALLS/ MIDDEN (SHELL)

DATE RECORDED: 1980
REPORTED BY: White, Glenn
LAST VISITED: 1980
RECORD STATUS Brief; Aerial photos 1924/24-25; Plan

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1073
IMPERIAL GRID REFERENCE: E227300 N644800

METRIC MAP SHEET: R11
METRIC SITE NO: 1292
METRIC GRID REFERENCE: E2666500 N6467800

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuaatua; Mangere
OWNER: Auckland Regional Council
ADDRESS: Private Bag 61982, Newton, AUCKLAND

LAND CLASSIFICATION: private farm
STATE: largely or completely destroyed, no information on danger

DESCRIPTION. 1. This site consists of two stone walls, a mound and associated midden. The stone walls measure a) 16m x 1m x 0.40m and b) 13m x 1m x 0.30m. A stone mound measures 10m x 7m x 1.0m. These stoneworks are all associated with midden which is composed of Chione, Lunella, Crassostrea, Pecten and Paphies. A stone pile 4m x 3m x 0.80m has no midden.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6070

KEYWORDS: STONE WALLS; STONE WORK; MIDDEN SHELL; CHIONE; LUNELLA;
CRASSOSTREA; PECTEN; PAPHIES; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4976

SITE NO: R11 /1293

TYPE: STONE WALLS/ MIDDEN (SHELL)

DATE RECORDED: 1979

REPORTED BY: White, Glenn

LAST VISITED: 1979

RECORD STATUS Brief; Sketchmap

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 1074

IMPERIAL GRID REFERENCE: E227500 N644700

METRIC MAP SHEET: R11

METRIC SITE NO: 1293

METRIC GRID REFERENCE: E2666600 N6467500

LOCAL AUTHORITY: Manukau City

LOCATION: Ihumatao; Otuataua; Mangere

OWNER: Wallace

ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm

STATE: partly damaged, continuing minor damage

DESCRIPTION: 1. This site consists of large heaps of stones which form an almost continuous stone wall with a terrace area at the south. Two smaller stone walls measure 20m x 0.50m and 6m x 1m x 0.40m

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6071

KEYWORDS: STONE WALLS; MIDDEN (SHELL); STONE WORK; STONE PILES;
REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4977

SITE NO: R11 /1294

TYPE: STONE WALLS/ STONE HEAPS

DATE RECORDED: 1980

REPORTED BY: White, Glenn

LAST VISITED: 1980

RECORD STATUS Brief; Aerial photos 1924/24-25

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1075
IMPERIAL GRID REFERENCE: E227500 N644700

METRIC MAP SHEET: R11
METRIC SITE NO: 1294
METRIC GRID REFERENCE: E2666700 N6467600

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Wallace
ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm
STATE: partly damaged, continuing minor damage

DESCRIPTION: 1. This site consists of mounds and piles which are arranged in an irregular fashion in association with natural lava outcrops. No detail on stone walls. One pile measures 10m x 6.5m x 2m high.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6072

KEYWORDS: STONE WALLS; STONE HEAPS; STONE PILES; STONE WORKS;
REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4978

SITE NO: R11 /1298
TYPE: TERRACES/ MIDDENS (SHELL)/ STONE WALLS

DATE RECORDED: 1979
REPORTED BY: White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1151
IMPERIAL GRID REFERENCE: E227350 N644500

METRIC MAP SHEET: R11
METRIC SITE NO: 1298
METRIC GRID REFERENCE: E2666500 N6467400

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm
STATE: partly damaged, continuing minor damage

DESCRIPTION: 1. This site consists of a complex of stone walls, stone

piles, stone lined terraces and midden. The measurements are as follows: A stone-lined terrace measures 5m x 2m. A stone wall is 230m long x c.2m wide and has natural outcrop in places with piled stones. Running parallel to this wall is another stone wall measuring c. 100m x 1.5m in width and has thick patches of midden along its length. A shorter stone wall runs at right angles to the first wall and is 15m long x 1m wide. A terrace has a road cutting through it and has extensive midden and stone piles.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6074

KEYWORDS: TERRACES; MIDDENS SHELL; STONE WALLS; STONE WORKS;
REGISTERED

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4979

SITE NO: R11 /1299
TYPE: MIDDEN (SHELL)/ STONE WALL/ STONE PLATFORM/ STONE ENCLOSURE

DATE RECORDED: 1979
REPORTED BY: White, Glenn
LAST VISITED: 1979

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1152
IMPERIAL GRID REFERENCE: E227170 N644160

METRIC MAP SHEET: R11
METRIC SITE NO: 1299
METRIC GRID REFERENCE: E2666300 N6467100

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuaataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: private farm
STATE: intact, continuing minor damage

DESCRIPTION: 1. This site consists of a stone wall enclosure measuring 11m x 8m and is surrounded by a 0.30m to 0.40m wide wall and 2m scarp on the northern side. This enclosure is situated on a raised platform with stone faced scarps. A 4m scarp is on the south side. Midden occurs on the western and north eastern areas. A stone wall extending from the north western corner of platform measures 62m long x 2m wide, with a 2m high pile of stones at the end. A stone faced terrace measures 10m x 2m as well as two stone rows measuring 17m x 4m and 12m x 2m.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6075

KEYWORDS: STONE WALLED ENCLOSURE; MIDDEN SHELL; STONE PLATFORM;
STONE

WORKS; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4981

SITE NO: R11 /1314

TYPE: STONE WALLS/ STONE ENCLOSURE

DATE RECORDED: 1979

REPORTED BY: White, Glenn

LAST VISITED: 1979

RECORD STATUS Brief; Sketchmap

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 1154

IMPERIAL GRID REFERENCE: E227000 N644300

METRIC MAP SHEET: R11

METRIC SITE NO: 1314

METRIC GRID REFERENCE: E2666200 N6467200

LOCAL AUTHORITY: Manukau City

LOCATION: Ihumatao; Otuataua; Mangere

OWNER: Rennie

ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: private farm

STATE: intact, little future danger

DESCRIPTION: 1. This site consists of a stone wall enclosure which measures 7m x 7m, the back wall being raised 1.5m above the enclosed level. Sides are 0.50m high. The whole enclosure is 1.0m above the surrounding topography. A stone wall joins to the west and is extensive. No measurements given. The stone works suggest cultivation areas.

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6078

KEYWORDS: STONE WALLED ENCLOSURE; CULTIVATIONS; STONE WORKS;
REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4982

SITE NO: R11 /1315

TYPE: STONE WALLS/ TERRACE/ MIDDEN (SHELL)/ PITS/ MOUND

DATE RECORDED: 1979
REPORTED BY: White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief; Sketch map

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1155
IMPERIAL GRID REFERENCE: E227060 N644350

METRIC MAP SHEET: R11
METRIC SITE NO: 1315
METRIC GRID REFERENCE: E2666200 N6467300

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otutaua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: land classification not known
STATE: intact, little future danger

DESCRIPTION: 1. This site consists of a possible cultivation enclosure which measures 33m x 21m and is enclosed by stone walls. To the north, a possible living site 12m x 10m has concentrated midden of Chione, Pecten, Crassostrea and Lunella slumping over the sides. Depressions to the south west sides could be pits. A stone pile to the south measures 8 m x 3m x 2m high.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6079

KEYWORDS: STONE WALLS; TERRACE; MIDDEN (SHELL); STONE WORK; PITS;
PECTEN;
CHIONE; CRASSOSTREA; LUNELLA; STONE MOUND; PILE; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4983

SITE NO: R11 /1329
TYPE: STONE WALLS/ MIDDENS (SHELL)/ STONE ENCLOSURE/ TERRACES
(STONE
LINED)/ STONE PLATFORMS

DATE RECORDED: 1979; Mar 1986
REPORTED BY: White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief; Sketchmap; Aerial photos 1924/24-25

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1169
IMPERIAL GRID REFERENCE: E226400 N643800

METRIC MAP SHEET: R11
METRIC SITE NO: 1329

METRIC GRID REFERENCE: E2665800 N6467000

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Trevor Ellett
Tamaki Farms Limited
ADDRESS: Ihumatao Road, Mangere

LAND CLASSIFICATION: private farm
STATE: intact, little future danger

DESCRIPTION: 1. The site consists of extensive stone walls and an enclosure. No separate details supplied.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6090

KEYWORDS: STONE WALLS; STONE STRUCTURES; STONE WORK; CULTIVATIONS;
STONE
ENCLOSURE; TERRACES (STONE LINED); STONE PLATFORMS; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 1082

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4986

SITE NO: R11 /1332
TYPE: STONE WALL/ MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: White, Glenn and Jeremy Bartlett
LAST VISITED: 1979
RECORD STATUS: Brief; Sketchplan

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1172
IMPERIAL GRID REFERENCE: E226880 N644320

METRIC MAP SHEET: R11
METRIC SITE NO: 1332
METRIC GRID REFERENCE: E2666100 N6467300

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: private farm
STATE: partly damaged, no information on danger

DESCRIPTION: 1. This site consists of a stone wall which emerges from beneath a European stone wall. Its Length is 40m to a right angle, then stops c 10m further on. A small levelled area exists within the "angle". Midden is exposed at the right angle, and measures 11m x 1m on the south west side and 5m x 1m on the north west side. Scatter occurs on the north east side.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6091

KEYWORDS: STONE WALL; EUROPEAN; MIDDEN SHELL; STONE WORK;
REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4987

SITE NO: R11 /1341
TYPE: STONework/ MIDDEN (SHELL)

DATE RECORDED: 1980
REPORTED BY: White, Glenn
LAST VISITED: 1980
RECORD STATUS Brief; Location Map; 3 photos

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1181
IMPERIAL GRID REFERENCE: E227500 N644700

METRIC MAP SHEET: R11
METRIC SITE NO: 1341
METRIC GRID REFERENCE: E2666700 N6467600

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuaataua; Mangere
OWNER: Manukau City Council
ADDRESS: Manukau

LAND CLASSIFICATION: local body land
STATE: partly damaged, continuing minor damage

DESCRIPTION: 1. This site consists of a field which contains numerous
stone mounds, piles and walls, probably to clear fields for pre
European agriculture. One mound 12m x 9m is associated with midden.
No further details supplied.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6096

KEYWORDS: STONE WORK; STONE STRUCTURES; STONE MOUNDS; STONE PILES;
STONE
WALLS; MIDDEN; SHELL; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4990

SITE NO: R11 /1347

TYPE: STONE WALLS/ MIDDEN (SHELL)/ STONE PILES

DATE RECORDED: 1980

REPORTED BY: White, Glenn

LAST VISITED: 1980

RECORD STATUS Brief; Sketchmap; Aerial photos 1924/24-25

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 1187

IMPERIAL GRID REFERENCE: E227400 N644700

METRIC MAP SHEET: R11

METRIC SITE NO: 1347

METRIC GRID REFERENCE: E2666500 N6467600

LOCAL AUTHORITY: Manukau City

LOCATION: Ihumatao; Otuataua; Mangere

OWNER: Wallace

ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: private farm

STATE: partly damaged, no information on danger

DESCRIPTION: 1. This site consists of three stone walls. The first measures 67m long x 3m wide x 1m high. The second 12m long x 1m wide x 0.30m high. The third wall is 40m long and breaks at a farm fence, then continues for another 56m. This wall is associated with midden comprising Chione, Cominella, Pecten and Crassostrea.

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6099

KEYWORDS: STONE WORK; STONE WALLS; STONE PILES; MIDDEN; SHELL; CHIONE;

COMINELLA; PECTEN; CRASSOSTREA; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4992

SITE NO: R11 /1349

TYPE: STONework/ MIDDEN (SHELL)

DATE RECORDED: 1980

REPORTED BY: White, Glenn

LAST VISITED: 1980

RECORD STATUS Brief; Sketchmap; Aerial photos 1924/24-25

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 1189

IMPERIAL GRID REFERENCE: E227500 N644800

METRIC MAP SHEET: R11

METRIC SITE NO: 1349
METRIC GRID REFERENCE: E2666700 N6467700

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Auckland Regional Council
ADDRESS: Private Bag 61982, Newton, AUCKLAND

LAND CLASSIFICATION: local body land
STATE: partly damaged, risk of severe damage

DESCRIPTION: 1. This site consists of stoneworks and midden. There are five stonewalls measuring a) 12m long x 2m wide x 0.40m high b) 288m long x 3m wide x 1m high c) 20m long x 1m wide x 0.40m high d) 28m long x 1m wide x 0.30m high e) 9m long x 2m wide x 0.20m high. There are several stone mounds and piles. Both mounds/piles and stone walls are associated with midden, pumice and charcoal. Shells present include, Chione, Cominella, Lunella, Pecten, Alcihoe, Crassostrea.
2. 5. 9m x 2m x 0.20m

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6100

KEYWORDS: STONE WALLS; STONE WORKS; STONE PILE; MIDDEN; SHELL; STONE MOUND; CHIONE; COMINELLA; LUNELLA; PECTEN; ALCITHOE; CRASSOSTREA; PUMICE; CHARCOAL; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 4994

SITE NO: R11 /1395
TYPE: STONE WALL/ STONE ENCLOSURE

DATE RECORDED: 1980
REPORTED BY: White, Glenn
LAST VISITED: 1980
RECORD STATUS Brief; Sketchmap

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1191
IMPERIAL GRID REFERENCE: E227400 N644600

METRIC MAP SHEET: R11
METRIC SITE NO: 1395
METRIC GRID REFERENCE: E2666600 N6467500

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere

LAND CLASSIFICATION: land classification not known
STATE: No information on condition, no information on danger

DESCRIPTION: 1. This site consists of a stone wall enclosure with mounds

and Karaka Tree. (Note: SRF MNOTIN 662642)

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6102

KEYWORDS: STONE WALL; STONE ENCLOSURE; STONE WORKS; KARAKA;
MOUNDS;
REGISTERED

RECORD UPDATE: 20-Dec-1994

Computer No: HN 5122

SITE NO: R11 /1291
TYPE: STONE HEAP

DATE RECORDED: 1980
REPORTED BY: White, Glenn
LAST VISITED: 1980
RECORD STATUS Brief

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1072
IMPERIAL GRID REFERENCE: E227500 N644400

METRIC MAP SHEET: R11
METRIC SITE NO: 1291
METRIC GRID REFERENCE: E2666700 N6467400

LOCAL AUTHORITY: Manukau City
LOCATION: Pukeiti; Ihumatao; Otuataua, Mangere
OWNER: Manukau City Council
ADDRESS: Manukau

LAND CLASSIFICATION: private farm
STATE: intact, continuing minor damage

DESCRIPTION: 1. This site consists of a stone mound which measures 18m x
10m x 1m high. The structure is level on the top forming a rock
platform.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6069

KEYWORDS: STONE HEAP; STONE MOUND; STONE WORK; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 5124

SITE NO: R11 /1303
TYPE: STONE PILES

DATE RECORDED: 1979
REPORTED BY: Grant, Janet and Chris Slane
LAST VISITED: 1979
RECORD STATUS Brief; Sketchmap; Aerial photos 240782

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1076
IMPERIAL GRID REFERENCE: E227300 N644200

METRIC MAP SHEET: R11
METRIC SITE NO: 1303
METRIC GRID REFERENCE: E2666600 N6467100

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Wallace's Farm; Mangere
OWNER: Wallace/?Rennie
ADDRESS: Ihumatao Quarry Road, Manger

LAND CLASSIFICATION: private farm
STATE: intact, little future danger

DESCRIPTION: 1. This site consists of stoneworks. In the west, two large piles are joined together 14m long x 1.5m wide x 1.5m to 2m high and 9m to the east, a second stone pile is 8m long x 3 to 4m wide x 1.5m to 2m high.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6077

KEYWORDS: STONE PILES; STONE WORK; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 5126

SITE NO: R11 /1320
TYPE: STONE PILES/ MIDDEN (SHELL)/ STONWORK

DATE RECORDED: 1979
REPORTED BY: White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief; Sketchplan

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1160
IMPERIAL GRID REFERENCE: E227000 N644300

METRIC MAP SHEET: R11
METRIC SITE NO: 1320
METRIC GRID REFERENCE: E2666200 N6467200

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Rennie

ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: private farm

STATE: largely or completely destroyed, continuing minor damage

DESCRIPTION: 1. The site consists of stone alignments, stone walls, piles, mounds and a stone faced scarp with midden.

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 7092

KEYWORDS: STONE PILES; MIDDEN SHELL; STONE ALIGNMENTS; STONE WALLS; MOUNDS; STONE WORKS; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 5127

SITE NO: R11 /1322

TYPE: STONework/ MIDDEN (SHELL)/ TERRACES/ BURIAL CAVE (REPORTED)

DATE RECORDED: 1980

REPORTED BY: White, Glenn

LAST VISITED: 1980

RECORD STATUS Brief; Location Map; Plan; Aerial photos 1924/24-25

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 1162

IMPERIAL GRID REFERENCE: E227600 N644400

METRIC MAP SHEET: R11

METRIC SITE NO: 1322

METRIC GRID REFERENCE: E2666700 N6467300

LOCAL AUTHORITY: Manukau City

LOCATION: Ihumatao; Otuaataua; Mangere

OWNER: Rennie

ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm

STATE: intact, little future danger

DESCRIPTION: 1. This site consists of a terrace measuring 10m x 8m on a north facing slope. It has midden. A second terrace is stone faced and also has midden. A cave, with an entrance that measures 3m x 1m extends to a lengthy lava tunnel. Shells occur at the entrance. Fields around the cave are covered with numerous stone piles, walls and midden. Midden in the area consists of Chione, Cominella, Pecten, Paphies and Crassostrea.

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6083

KEYWORDS: STONE HEAPS; TERRACES (STONE LINED); STONE MOUNDS; MIDDEN SHELL;

BURIAL CAVE (REPUTED); STONE PILES; LAVA TUNNEL; CHIONE; COMINELLA;
PECTEN; PAPHIES; CRASSOSTREA; REPORTED; STONE WORKS; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 13-Jan-1995

Computer No: HN 5129

SITE NO: R11 /1345

TYPE: STONE MOUNDS/ MIDDEN (SHELL)/ STONE WALL

DATE RECORDED: 1980

REPORTED BY: White, Glenn

LAST VISITED: 1980

RECORD STATUS Brief; Sketchplan; Photos

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 1185

IMPERIAL GRID REFERENCE: E227600 N644600

METRIC MAP SHEET: R11

METRIC SITE NO: 1345

METRIC GRID REFERENCE: E2666700 N6467500

LOCAL AUTHORITY: Manukau City

LOCATION: Ihumatao; Otuataua; Mangere

OWNER: Wallace

ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: private farm

STATE: intact, continuing minor damage

DESCRIPTION: 1. This site consists of two stone mounds. The first is 12m long x 4m wide and 2m high, the second being 9m in diameter and 3.5m high. A stone wall runs through the paddock for about 100m with midden at one end.

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6098

KEYWORDS: STONE MOUNDS; STONE WALL; MIDDEN; SHELL; STONE WORKS;
REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 5939

SITE NO: R11 /29

TYPE: PA (VOLCANIC HILL)

NAME: Pukeiti

DATE RECORDED: 1961; 1978; 1979
REPORTED BY: Brown, H.J.R. (Bob); Furey, Louise, B. Walsh and J.
Clarkson; Bulmer, Susan
LAST VISITED: 1979

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 21
IMPERIAL GRID REFERENCE: E227600 N644300

METRIC MAP SHEET: R11
METRIC SITE NO: 29
METRIC GRID REFERENCE: E2666700 N6467200

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Mangere
OWNER: Wallace
ADDRESS: Ihumatao Road
Mangere

LAND CLASSIFICATION: Private land
STATE: A remnant of this hill remains

DESCRIPTION: 1. This site consisted of a volcanic cone with pits, terraces and midden mainly cockle and scallop. Some terraces were faced with scoria blocks. The cone was situated in an area which was cleared for cultivation, including scoria cairns, hangi pits, scoria platforms, surface burials and freshwater wells.

ADDITIONAL NOTES: 1. Additional information by Susan Bulmer (1978) recounts A. Taylor (1961).
2. Additional information by Louise Furey, B. Walsh and J. Clarkson (1979) record the site and note that there appears to be no evidence to suggest that this was a defended site. The area between the cone and the harbour shows many stone rows, stone heaps and midden. The contents of the midden included cockle and scallops as well as pipi and mud whelk.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6055

KEYWORDS: PA (VOLCANIC HILL); BURIAL CAVES; PITS; PLATFORMS; CAVES; MIDDEN; SHELL; TERRACES; COCKLE; SCALLOP; WELLS; FRESHWATER WELLS; PLATFORMS; BURIALS; KARAKA TREES; CONE; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199; SE 1129; SE 159; SE 237; SE 245; SE 279; SE 1570

RECORD UPDATE: 15-Dec-1994

Computer No: HN 5940

SITE NO: R11 /30
TYPE: PA (VOLCANIC HILL)/ GARDENS
NAME: Otuataua

DATE RECORDED: Aug-1961; 1979; 1988; 1991
REPORTED BY: Brown, H.J.R. (Bob); Coates, Jan and Joan Maingay; Bulmer,

Susan
LAST VISITED: 1988
RECORD STATUS Detailed; Maps; Plans; Published accounts; Reports

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 22
IMPERIAL GRID REFERENCE: E227300 N644000

METRIC MAP SHEET: R11
METRIC SITE NO: 30
METRIC GRID REFERENCE: E2666400 N6466900

LOCAL AUTHORITY: Manukau City
LOCATION: Otuataua; Mangere; Ihumatao; Pukeiti
OWNER: Ellett,
Mendelssohn
Ronnie
Wallace
ADDRESS: Ihumatao
Mangere

LEGAL DESCRIPTION: Allotment 170 Parish of Manurewa (northern half);
Allotment 171 Parish of Manurewa (northern half); Part Allotment 172
Parish of Manurewa; Allotment 1, D.P. 44808, Part Allotment 172 Parish
of Manurewa; Part Allotment 173 Parish of Manurewa; Part Allotment 174
Parish of Manurewa; Part Allotment 176 Parish of Manurewa (part -
slopes of cone); Part Allotment 177A Parish of Manurewa (part - slopes
of cone); Part Allotment 177B Parish of Manurewa (part - slopes of
cone); Part Allotment 181 Parish of Manurewa (part - slopes of cone)

LAND CLASSIFICATION: Private land
STATE: This hill has been quarried away.

DESCRIPTION: 1. This volcanic cone has been "erased from the landscape"
(Searle SE 245). Extensive midden including fish bone, pipi, cockle,
scallop, mussel and oyster occurred on this terraced scoria cone.
Stone walls, stone mounds and pits remain in the near vicinity
indicating the cultivation activities which occurred in previous
times.

ADDITIONAL NOTES: 1. Additional information by Jan Coates and Joan Maingay
(1979) note the stonework, the midden, the quarrying and a grove of
large karaka trees.
2. Additional information by Susan Bulmer (1988) notes the destruction of
the cone pa but points out many of the associated sites remaining,
including stone walls, mounds and piles, terraces, pits and midden.
3. Additional information Foster, Green and Sewell (Aug 1988): Site is
included in the DOC publication entitled "An Initial Assessment of
Some Sites of Archaeological, Traditional and Historic Significance
Within Manukau City (Foster, Green and Sewell Aug 1988:27-29; SE
344). "This is an area of national and international importance from
visual, traditional and scientific viewpoint. There are a large
number of features and because they are interconnected it is
impossible to separate one from the other; therefore all are included
in the one NZ Archaeological Association site number, which is that of
the cone itself. The NZ Historic Places Trust and the Department of
Conservation have decided that this is one of the two remaining areas
of stone constructions in the Auckland Region that merit permanent
preservation, the area including all the remaining features within
the volcanic fields of Otuataua and Pukeiti. Fig. 4.1 shows the
boundaries of the proposed protected area. The greatest concentration

of stone features are found on Allotments 170, 171 and 172. Many of the individual features have been mapped, but the hatched area on Fig. 4.1 is the only substantial area that has been mapped in detail. Fig. 4.2 illustrates the complexity and number of stone features found here. A considerable portion of this area has since been quarried, but the Otuataua stonefields are still the only field system of this type remaining in greater Auckland, containing a wide variety of sites, both prehistoric and relating to the period after European settlement. Otuataua is also of importance to the Maori people as two 19th century Maori village sites were located here, one associated with the mission station and the other built by Tawhia (J. Wilson pers. comm.)."

4. Additional information by Susan Bulmer (1991) notes that "this record incorporates 50 site records and refers to entire volcanic field of c.100 ha. and remnants of 2 volcanic cones, Otuataua and Pukeiti, for the purposes of registration with the Historic Places Trust. Enclosed with the Site Record Form are excerpts from Statement of Evidence to Manukau City Council, 1991 by S. Bulmer (with Bruce Tubb). This includes a background of history of Otuataua and an archaeological description of Otuataua.

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6056

KEYWORDS: STONE WALLS; STONE MOUNDS; STONE PILES; TERRACES; PITS; MIDDEN;
SHELL; COCKLE; SCALLOP; MUSSEL; OYSTER; FISHBONE; PA (VOLCANIC HILL);
PIPI; CONE; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 129; SE 159; SE 245; SE 279; SE 282; SE 344

RECORD UPDATE: 15-Dec-1994

Computer No: HN 6052

SITE NO: R11 /1284

TYPE: TERRACE/ PITS/ MIDDEN (SHELL)

DATE RECORDED: 1979

REPORTED BY: White, Glenn

LAST VISITED: 1979

RECORD STATUS Brief; Plan; Map

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 1065

IMPERIAL GRID REFERENCE: E227200 N644400

METRIC MAP SHEET: R11

METRIC SITE NO: 1284

METRIC GRID REFERENCE: E2666400 N6467400

LOCAL AUTHORITY: Manukau City

LOCATION: Otuataua; Ihumatao

OWNER: Rennie

ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm
STATE: partly damaged, continuing minor damage

DESCRIPTION: 1. This site consists of 3 terraces. Their measurements are:
7m x 4m with stone lined slopes and midden. 9m x 8m stone wall in the
north. 10m x 2m stone lined in the east. Two pits are present.
Their measurements are: 5m x 3m this pit has raised rims. 4m x 2m
this pit has raised rims.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6062

KEYWORDS: TERRACE; STONE PILES; PITS; MIDDEN SHELL; RAISED RIM PITS;
REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 11-Nov-1994
13 Sep 1994

Computer No: HN 6304

SITE NO: R11 /1282
TYPE: TERRACE/ MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief; Plan

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1063
IMPERIAL GRID REFERENCE: E227300 N644300

METRIC MAP SHEET: R11
METRIC SITE NO: 1282
METRIC GRID REFERENCE: E2666500 N6467100

LOCAL AUTHORITY: Manukau City
LOCATION: Otataua; Ihumatao; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm
STATE: partly damaged, continuing minor damage

DESCRIPTION: 1. This site consists of a terrace which measures 10m x 5m
and is stone faced. Midden consisting of Chione, Pecten, and Lunella
occurs on the south east slope and north slope of the terrace.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6060

KEYWORDS: TERRACE; MIDDEN; SHELL; CHIONE; LUNELLA; PECTEN; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 11-Nov-1994

Computer No: HN 6305

SITE NO: R11 /1285

TYPE: STONE ROWS/ STONE WALLS/ TERRACES/ MIDDEN (SHELL)

DATE RECORDED: 1979

REPORTED BY: White, Glenn

LAST VISITED: 1979

RECORD STATUS Brief; Sketch map; Location map

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 1066

IMPERIAL GRID REFERENCE: E226700 N644300

METRIC MAP SHEET: R11

METRIC SITE NO: 1285

METRIC GRID REFERENCE: E2666000 N6467300

LOCAL AUTHORITY: Manukau City

LOCATION: Otuataua; Ihumatao; Mangere

OWNER: Rennie

ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm

STATE: partly damaged, continuing minor damage

DESCRIPTION: 1. This site is part of an extensive area of rock piles, stone walls, terraces and midden, suggesting an area of pre-European cultivation and occupation. The area is 80m from the coast. Rock piles and rock walls pitted onto naturally raised area of the topography suggesting that land clearance was for agriculture and windbreaks. No detail on structure sizes is given in the Site Record Form

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6063

KEYWORDS: STONE WORK; STONE ROWS; STONE WALLS; TERRACES; MIDDEN SHELL;

REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 6306

SITE NO: R11 /1286

TYPE: TERRACES/ MIDDEN (SHELL)

DATE RECORDED: 1979

REPORTED BY: Bartlett, Jeremy

LAST VISITED: 1979
RECORD STATUS Brief; Plan; Map

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1067
IMPERIAL GRID REFERENCE: E226700 N644300

METRIC MAP SHEET: R11
METRIC SITE NO: 1286
METRIC GRID REFERENCE: E2666000 N6467300

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuaataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm
STATE: intact, continuing minor damage

DESCRIPTION: 1. This site consists of two terraces which measure 1m x 8m with a possible house platform and 8m x 5m. Midden extends 20m around the scarp and is slumped, consisting of Chione, Crassostrea and Lunella.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6064

KEYWORDS: TERRACES; MIDDEN SHELL; CHIONE; LUNELLA; CRASSOSTREA;
REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199; SE 1280

RECORD UPDATE: 11-Nov-1994

Computer No: HN 6307

SITE NO: R11 /1287
TYPE: TERRACES/ MIDDEN (SHELL)/ STONE WALL

DATE RECORDED: 1979
REPORTED BY: Bartlett, Jeremy; White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief; Plan

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1068
IMPERIAL GRID REFERENCE: E226900 N644500

METRIC MAP SHEET: R11
METRIC SITE NO: 1287
METRIC GRID REFERENCE: E2666100 N6467400

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuaataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm
STATE: intact, continuing minor damage

DESCRIPTION: 1. This site consists of a terrace which is 10m x 3m with a stone wall and mound on the western side. Also there is a mound on the ridge. The midden is slumped down the north western face, 8m across, and consisting of Chione, Pecten Strutheolaria and Cominella.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6065

KEYWORDS: TERRACES; MIDDEN SHELL; STONE WALL; STONE WORK; CHIONE;
PECTEN;
STRUTHEOLARIA; COMINELLA; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 6309

SITE NO: R11 /1297
TYPE: TERRACE/ MIDDEN (SHELL)/ STONE ROW

DATE RECORDED: 1979
REPORTED BY: White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1150
IMPERIAL GRID REFERENCE: E227400 N644200

METRIC MAP SHEET: R11
METRIC SITE NO: 1297
METRIC GRID REFERENCE: E2666500 N6467100

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Mangere

LAND CLASSIFICATION: private farm
STATE: partly damaged, continuing minor damage

DESCRIPTION: 1. This site consists of a stone row, 10m x 3m and running parallel to the farm stone wall. Another stone row, 7m x 2m runs parallel to the first one. Two metres to the west lies a small stone lined terrace. The area behind this is also in terraces.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6073

KEYWORDS: TERRACE; MIDDEN SHELL; STONE ROW; STONE WORK; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994
13 Sep 1994

Computer No: HN 6311

SITE NO: R11 /1317
TYPE: TERRACE/ MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief; Sketch plan

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1157
IMPERIAL GRID REFERENCE: E226820 N644330

METRIC MAP SHEET: R11
METRIC SITE NO: 1317
METRIC GRID REFERENCE: E2666000 N6467300

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: private farm
STATE: intact, continuing minor damage

DESCRIPTION: 1. This site comprises a knoll which is terraced with concentrated midden. The terraces measure 5m x 4m with midden in the north east corner and 8m x 5m midden in the north east corner. The slope descends to a terrace 7m x 5m on the north slope with midden. The slope to the west terrace 12m x 8m is stone lined in the south west with midden off the west slope.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6080

KEYWORDS: TERRACE; MIDDEN SHELL; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 11-Nov-1994

Computer No: HN 6312

SITE NO: R11 /1318
TYPE: TERRACES/ MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief; Sketchplan

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1158
IMPERIAL GRID REFERENCE: E227200 N644300

METRIC MAP SHEET: R11
METRIC SITE NO: 1318
METRIC GRID REFERENCE: E2666400 N6467200

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuaataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: private farm
STATE: intact, continuing minor damage

DESCRIPTION: 1. In this site terraces and midden co-exist. Terrace 1.
measures 8m x 4m with midden on the stone lined scarp below. Terrace
2. is 6m x 3m with midden above 1. Terrace 3. is 10m x 3m with a
stone lined face to the west. Midden occurs on top of the knoll.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6081

KEYWORDS: TERRACES; MIDDEN SHELL; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 11-Nov-1994

Computer No: HN 6313

SITE NO: R11 /1321
TYPE: TERRACE/ STONE WALL/ MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief; Sketchmap

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1161
IMPERIAL GRID REFERENCE: E227100 N644500

METRIC MAP SHEET: R11
METRIC SITE NO: 1321
METRIC GRID REFERENCE: E2666300 N6467400

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuaataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: private farm
STATE: largely or completely destroyed, little future danger

DESCRIPTION: 1. This site consists of a stone faced terrace which has a natural ditch at the rear. Midden occurs there. A small terrace 4m x 3m to the south west which also has midden. A terrace below to the south west is 10m x 4m with stone piles to the north and south. The midden consists of Chione, Ostrea, Lunella, Amphibola and Alcihoe.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6082

KEYWORDS: TERRACE; MIDDEN SHELL; STONE WALL; CHIONE; OSTREA; LUNELLA; PECTEN; AMPHIBOLA; ALCITHOE; STONE WORKS; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 6314

SITE NO: R11 /1333
TYPE: TERRACE/ MIDDEN (SHELL)

DATE RECORDED: 1979
REPORTED BY: Bartlett, Jeremy; White, Glenn
LAST VISITED: 1979
RECORD STATUS Brief; Sketchmap

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1173
IMPERIAL GRID REFERENCE: E226800 N644300

METRIC MAP SHEET: R11
METRIC SITE NO: 1333
METRIC GRID REFERENCE: E2666100 N6467200

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: private farm
STATE: partly damaged, continuing minor damage

DESCRIPTION: 1. This site consists of two terraces which occur at the northern end of the knoll. The first one is c. 20m x 5m, and the second 10m x 5m. Midden slumps off both terraces and large karaka trees occur on the summit of the knoll.

ADDITIONAL NOTES: 1. Mangere

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6092

KEYWORDS: TERRACE; MIDDEN; SHELL; KARAKA; BOTANICAL SITE; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 14-Nov-1994

Computer No: HN 6315

SITE NO: R11 /1334

TYPE: TERRACES/ MIDDEN (SHELL)/ KARAKA/ STONE PILES

DATE RECORDED: 1979

REPORTED BY: White, Glenn

LAST VISITED: 1979

RECORD STATUS Brief; Sketchplan

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 1174

IMPERIAL GRID REFERENCE: E226700 N644300

METRIC MAP SHEET: R11

METRIC SITE NO: 1334

METRIC GRID REFERENCE: E2666000 N6467300

LOCAL AUTHORITY: Manukau City

LOCATION: Ihumatao; Otuataua; Mangere

OWNER: Rennie

ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: private farm

STATE: intact, little future danger

DESCRIPTION: 1. This site consists of a knoll which has stone faced terraces with abundant midden on its edges. Two terraces measure 9m x 4m and 5m x 3m the first with karaka trees on the northern face, also large karaka trees occur on the summit of the knoll.

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6093

KEYWORDS: TERRACE; MIDDEN; SHELL; KARAKA; BOTANICAL SITE; TERRACES (STONE LINED); STONE WORK; STONE PILES; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 6317

SITE NO: R11 /1336

TYPE: TERRACES/ ?STONE PLATFORM/ KARAKA/ MIDDEN (SHELL)

DATE RECORDED: 1979

REPORTED BY: Bartlett, Jeremy

LAST VISITED: 1979

RECORD STATUS Brief; Sketchplan

IMPERIAL MAP SHEET: N42

IMPERIAL SITE NO: 1176
IMPERIAL GRID REFERENCE: E226600 N644500

METRIC MAP SHEET: R11
METRIC SITE NO: 1336
METRIC GRID REFERENCE: E2665900 N6467400

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: private farm
STATE: intact, little future danger

DESCRIPTION: 1. This site consists of a possible platform which measures 5m x 4m. The Terraces average 5m x 3m and they face westerly, northerly and north easterly directions. Karaka trees are also present. The midden present has slumping exposures on the east, west and north westerly sides of the knoll, and consists of Chione and Lunella.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6094

KEYWORDS: TERRACES; MIDDEN; SHELL; ?STONE PLATFORM; KARAKA;
BOTANICAL
SITE; CHIONE; LUNELLA; STONE WORKS; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 6320

SITE NO: R11 /1344
TYPE: TERRACE/ MIDDEN (SHELL)

DATE RECORDED: 1980
REPORTED BY: White, Glenn
LAST VISITED: 1980
RECORD STATUS Brief; Sketchplan; Aerial photos 1924/24-25

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1184
IMPERIAL GRID REFERENCE: E227700 N644800

METRIC MAP SHEET: R11
METRIC SITE NO: 1344
METRIC GRID REFERENCE: E2666800 N6467700

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Wallace
ADDRESS: Oruarangi Road, Ihumatao, Mangere.

LAND CLASSIFICATION: private farm

STATE: intact, little future danger

DESCRIPTION: 1. This site consists of a Terrace 36m long x 16m wide. It is stone faced of the north eastern slope with concentrated midden over the north eastern slope. Midden also occurs to the south of the Terrace, and consists mostly of Chione and Lunella, with Pecten and Paphies australis.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6097

KEYWORDS: TERRACE (STONE FACED); MIDDEN; SHELL; PECTEN; PECTEN;
PAPHIES;
CHIONE; LUNELLA; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 14-Nov-1994

Computer No: HN 6321

SITE NO: R11 /1350

TYPE: MIDDEN (SHELL)/ TERRACE/ STONE PILE

DATE RECORDED: 1980
REPORTED BY: White, Glenn
LAST VISITED: 1980
RECORD STATUS Brief; Sketchmap

IMPERIAL MAP SHEET: N42
IMPERIAL SITE NO: 1190
IMPERIAL GRID REFERENCE: E227400 N644700

METRIC MAP SHEET: R11
METRIC SITE NO: 1350
METRIC GRID REFERENCE: E2666500 N6467600

LOCAL AUTHORITY: Manukau City
LOCATION: Ihumatao; Otuataua; Mangere
OWNER: Rennie
ADDRESS: Oruarangi Road, Ihumatao, Mangere

LAND CLASSIFICATION: land classification not known
STATE: partly damaged, risk of severe damage

DESCRIPTION: 1. This site consists of stone piles, one measuring 10m x 8m x 3m. Other piles line a depression (large) in front of several terraces measuring 13m x 6m and 10m x 4m. Both are associated with midden.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6101

KEYWORDS: MIDDEN; SHELL; STONE PILES; STONE WORK; TERRACE;
REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199; SE 237

RECORD UPDATE: 20-Dec-1994

Computer No: HN 6728

SITE NO: R11 /1326

TYPE: TERRACES/ STONE PILES/ MIDDEN (SHELL)/ PITS/ BURIAL CAVES
(REPUTED)

DATE RECORDED: 22 Feb 1980

REPORTED BY: White, Glenn

LAST VISITED: 22 Feb 1980

RECORD STATUS Brief; Sketchmap

METRIC MAP SHEET: R11

METRIC SITE NO: 1326

METRIC GRID REFERENCE: E2666500 N6467900

LOCAL AUTHORITY: Manukau City

LOCATION: Pukeiti; Otataua; Ihumatao; Mangere

OWNER: Wallace/Rennie

ADDRESS: Oruarangi Road, Mangere

STATE: No information on condition, no information on danger

DESCRIPTION: 1. This site consists of two caves. The first has an entrance 1m x 0.80m and the other is 2m x 1m. Both have midden associated with them consisting of Cominella, Chione and Crassostrea. A terrace measures 14m x 11m, is stone faced and has been dissected by a farm stone wall. Two possible pits occur in a natural outcrop along the eastern rim. They measures 5m x 3m and 7m x 6m. Stone piles are present on the site also.

NZHPT CLASSIFICATION: Registered

NZHPT RECORD NUMBER: 6087

KEYWORDS: MIDDEN SHELL; TERRACES; STONE PILES; BURIAL CAVES
(REPUTED);

CRASSOSTREA; CHIONE; COMINELLA; STONE WORKS; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 199

RECORD UPDATE: 20-Dec-1994

Computer No: HN 6729

SITE NO: R11 /1759

TYPE: MIDDEN (SHELL)

DATE RECORDED: 1992

REPORTED BY: Sewell, Brenda

LAST VISITED: 1992

RECORD STATUS Brief; Sketch plan; Aerial location map

METRIC MAP SHEET: R11

METRIC SITE NO: 1759
METRIC GRID REFERENCE: E2667200 N6467200

LOCAL AUTHORITY: Manukau City
LOCATION: Oruarangi Creek; Mangere
OWNER: Auckland Regional Council
ADDRESS: Private Bag 61982, Newton, AUCKLAND
STATE: ?partly damaged, continuing minor damage

DESCRIPTION: 1. This site consists of cockle which is visible in patches of erosion on slopes leading down to the creek, suggesting that the level ground above the creek was previously occupied.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6104

KEYWORDS: MIDDEN; SHELL; REGISTERED

RECORD UPDATE: 15-Nov-1994

Computer No: HN 6730

SITE NO: R11 /1760
TYPE: STONE HEAPS/ MIDDEN (SHELL)

DATE RECORDED: 1992
REPORTED BY: Sewell, Brenda
LAST VISITED: 1992
RECORD STATUS Brief; Aerial Photographs; Location map

METRIC MAP SHEET: R11
METRIC SITE NO: 1760
METRIC GRID REFERENCE: E2666700 N6467800

LOCAL AUTHORITY: Manukau City
LOCATION: Oruarangi Creek; Mangere Sewage Treatment Ponds;
Mangere
OWNER: Auckland Regional Council
ADDRESS: Private Bag 61982, Newton, AUCKLAND
STATE: ?partly damaged, continuing minor damage

DESCRIPTION: 1. It would appear that the top of a lava flow was used for occupation and that rock heaps or mounds were made around the living area. Midden, consisting of mainly cockle, with scallop and Amphibola, occurs within some of the heaps, as in eroded patches down the slopes. Bulldozing has altered the area and it appears that c. 20m of top soil has been removed, but that intact remains may still be present.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6105

KEYWORDS: STONE HEAPS; MIDDEN; SHELL; STONE WORK; STONE MOUNDS;
COCKLE;
AMPHIBOLA; SCALLOP; REGISTERED

RECORD UPDATE: 20-Dec-1994

Computer No: HN 6731

SITE NO: R11 /1761
TYPE: STONE WALLS

DATE RECORDED: 1992
REPORTED BY: Sewell, Brenda
LAST VISITED: 1992
RECORD STATUS Brief; Aerial Photographs; Location map

METRIC MAP SHEET: R11
METRIC SITE NO: 1761
METRIC GRID REFERENCE: E2666660 N6467750

LOCAL AUTHORITY: Manukau City
LOCATION: Oxidation ponds; Mangere
OWNER: Auckland Regional Council
ADDRESS: Private Bag 61982, Newton, AUCKLAND
STATE: No information on condition, no information on danger

DESCRIPTION: 1. This site consists of piles of rocks which form a rough rectangle measuring up to 3m wide and 0.50m high. The lengths of the piles are: 1. 7m long 2. 22m long 3. 5m long 4. 8m long 5. 12m long 6. 13m long.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6106

KEYWORDS: STONE WALLS; STONE WORK; REGISTERED

RECORD UPDATE: 20-Dec-1994

Computer No: HN 6732

SITE NO: R11 /1762
TYPE: MIDDEN (SHELL)

DATE RECORDED: 1992
REPORTED BY: Sewell, Brenda
LAST VISITED: 1992
RECORD STATUS Brief; Aerial Photographs; Location map

METRIC MAP SHEET: R11
METRIC SITE NO: 1762
METRIC GRID REFERENCE: E2666400 N6467700

LOCAL AUTHORITY: Manukau City
LOCATION: Oxidation ponds; Mangere
OWNER: Auckland Regional Council
ADDRESS: Private Bag 61982, Newton, AUCKLAND
STATE: No information on condition, no information on danger

DESCRIPTION: 1. This site consists of a midden which comprises mainly

cockle with scallop and Amphibola, and occurs in patches of erosion in a black soil matrix covering a large area.

NZHPT CLASSIFICATION: Registered
NZHPT RECORD NUMBER: 6107

KEYWORDS: MIDDEN; SHELL; COCKLE; SCALLOP; AMPHIBOLA; BLACK SOIL; REGISTERED

RECORD UPDATE: 15-Nov-1994

Computer No: HN 2846

SITE NO: S11 /115
TYPE: PA (HEADLAND)
NAME: Koherurahi

DATE RECORDED: 1974; 12 Jul 1988
REPORTED BY: Davidson, Janet; Sewell, Brenda
LAST VISITED: 1988

IMPERIAL MAP SHEET: N43
IMPERIAL SITE NO: 99
IMPERIAL GRID REFERENCE: E265000 N651200

METRIC MAP SHEET: S11
METRIC SITE NO: 115
METRIC GRID REFERENCE: E2701100 N6472700

LOCAL AUTHORITY: Manukau City
LOCATION: Koherurangi Point; Kawakawa Bay; Clevedon; ICI
Farm; Wairoa Bay
OWNER: ICI

LAND CLASSIFICATION: commercial concern
STATE: partly damaged, little future danger

DESCRIPTION: 1. This pa consists of a trench 50m long which cuts off the headland (ditch and bank) with internal terracing. A second ditch and bank cuts off a more noticeably terraced extremity. Old photographs suggest, according to Davidson, a third ditch.

ADDITIONAL NOTES: 1. Additional information by Brenda Sewell (1988): notes three visible terraces.

NZHPT CLASSIFICATION: B
Registered
NZHPT RECORD NUMBER: 6203

KEYWORDS: PA (HEADLAND); DITCH; BANK; TERRACES; REGISTERED

RECORD UPDATE: 9-Dec-1994

Computer No: HN 5349

SITE NO: S11 /75
TYPE: PA (RIDGE)
NAME: Pawhetau (Taupo) Pa

DATE RECORDED: 1969; 7 Dec 1974; 12 Jul 1988
REPORTED BY: Davidson, Janet; Fox, Aileen; Sewell, Brenda
LAST VISITED: 1988
RECORD STATUS detailed; map; publication

IMPERIAL MAP SHEET: N43
IMPERIAL SITE NO: 59
IMPERIAL GRID REFERENCE: E265800 N649600

METRIC MAP SHEET: S11
METRIC SITE NO: 75
METRIC GRID REFERENCE: E2701900 N6471200

LOCAL AUTHORITY: Manukau City
LOCATION: Pawhetau Point; ICI Farm; Kawakawa Bay; Clevedon

LAND CLASSIFICATION: commercial concern
STATE: intact, little future danger

DISTRICT SCHEME: Manukau City Council Proposed Second Reviewed District Scheme;
Operative Second Reviewed Manukau District Scheme Manukau City Transitional District Plan

SCHEME DATE: 25 May 1989;
14 Apr 1993

STATUS: Schedule

NUMBER: 31/9

CRITERIA: Regional; Visual; Scientific; Traditional; Historical;
Local

DESCRIPTION: 1. This site consists of 3 ditches, banks and 1 pit.
(Information supplied by Janet Davidson).

ADDITIONAL NOTES: 1. Additional information by Aileen Fox (7 Dec 1974):

In an article in the Records of the Auckland Institute and Museum, Fox describes this headland pa as being defended by 3 transverse ditches. The economic resources are discussed and after an examination of the archaeological and historical evidence, the site is tentatively identified as the residence of Te Haupa, chief of the Ngati Paoa in the early nineteenth century. Human bones were dated by their collagen content to about AD 1600 by the Institute of Nuclear Sciences (R2548 350 - + 80 B.P).

2. Additional information by Brenda Sewell (1988): notes that with the exception of a very large pit on the tihi, not many pits are visible on the terraces.

3. Additional information Foster, Green and Sewell (Aug 1988): Site is included in the DOC publication entitled "An Initial Assessment of Some Sites of Archaeological, Traditional and Historic Significance Within Manukau City (Foster, Green and Sewell Aug 1988:54-55; SE 344). "This headland pa, with three deep transverse ditches is a most impressive site from the Kawakawa Bay Road being an excellent example of a large headland pa and quite worthy of note on visual grounds alone (Fig. 6.6). However, its traditional importance to the Ngati Paoa people is of greater consequence. they claim occupation of the pa from the 16th century onwards. A description of the pa and some of

its history is contained in Fox, A. (1974; SE 107). It is defended by a series of three ditches cutting off the headland. Within the defended area are many terraces, some of which contain storage pits. It was the home of the Ngati Paoa chief, Te Haupa, in the early 19th century and it is said that it was one of the few pa attacked by the Ngapuhi in the 1820s that did not fall."

NZHPT CLASSIFICATION: B

Registered

NZHPT RECORD NUMBER: 6202

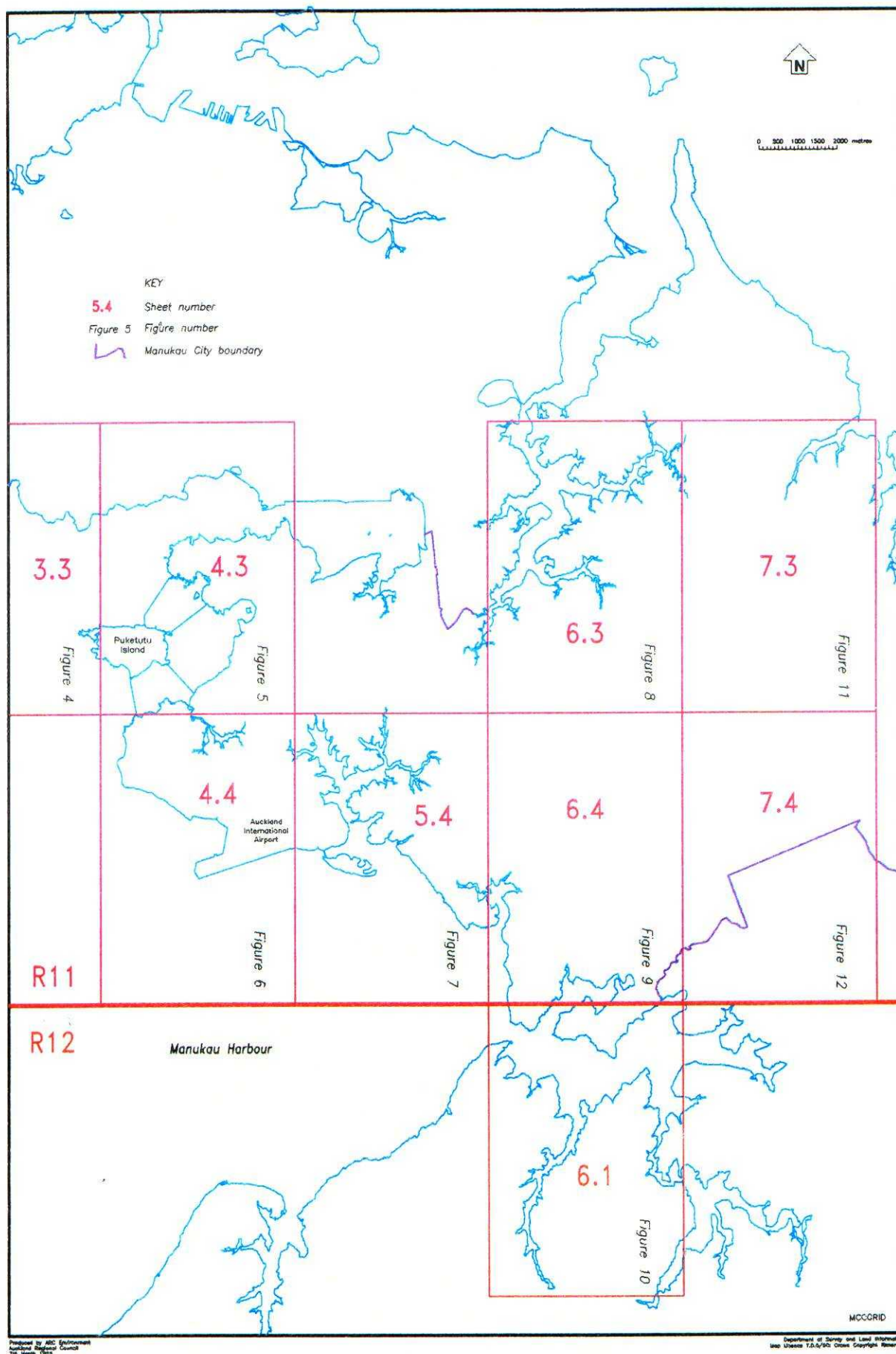
KEYWORDS: PA (RIDGE); DITCHES (TRANSVERSE); TIHI; PITS; TERRACES; AGE ESTIMATE (BONE COLLAGEN); BANKS; REGISTERED

CHI BIBLIOGRAPHY REFERENCES: SE 344 p.54-55; SE 434; SE 1884

RECORD UPDATE: 13-Dec-1994

-oo0oo-

(Key for Figures 4 to 12)



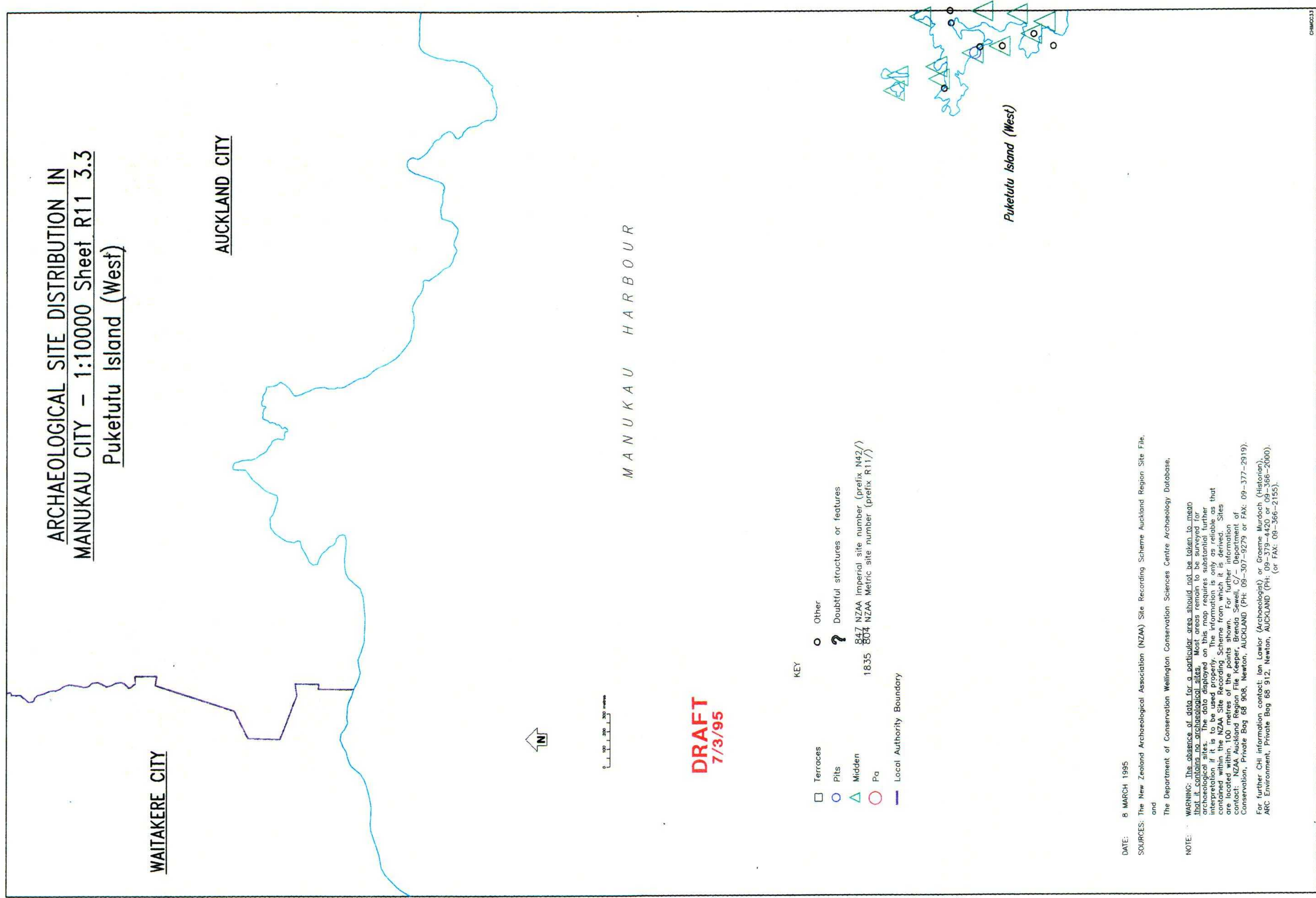


FIGURE 4

DATE: 8 MARCH 1995

SOURCES: The New Zealand Archaeological Association (NZAA) Site Recording Scheme Auckland Region Site File, and
The Department of Conservation Wellington Conservation Sciences Centre Archaeology Database.

NOTE: WARNING: The absence of data for a particular area should not be taken to mean that it contains no archaeological sites. Most areas remain to be surveyed for archaeological sites. The data displayed on this map requires substantial further interpretation if it is to be used properly. The information is only as reliable as that contained within the NZAA Site Recording Scheme from which it is derived. Sites are located within 100 metres of the points shown. For further information of contact: NZAA Auckland Region File Keeper, Brenda Sewell, C/- Department of Conservation, Private Bag 68 908, Newton, AUCKLAND (PH: 09-307-9279 or FAX: 09-377-2919).

For further CHI information contact: Ian Lawlor (Archaeologist) or Graeme Murdoch (Historian), ARC Environment, Private Bag 68 912, Newton, AUCKLAND (PH: 09-379-4420 or 09-366-2000). (or FAX: 09-366-2155).

ARCHAEOLOGICAL SITE DISTRIBUTION IN MANUKAU CITY - 1:10000 Sheet R11 4.3 Puketutu Island - Mangere

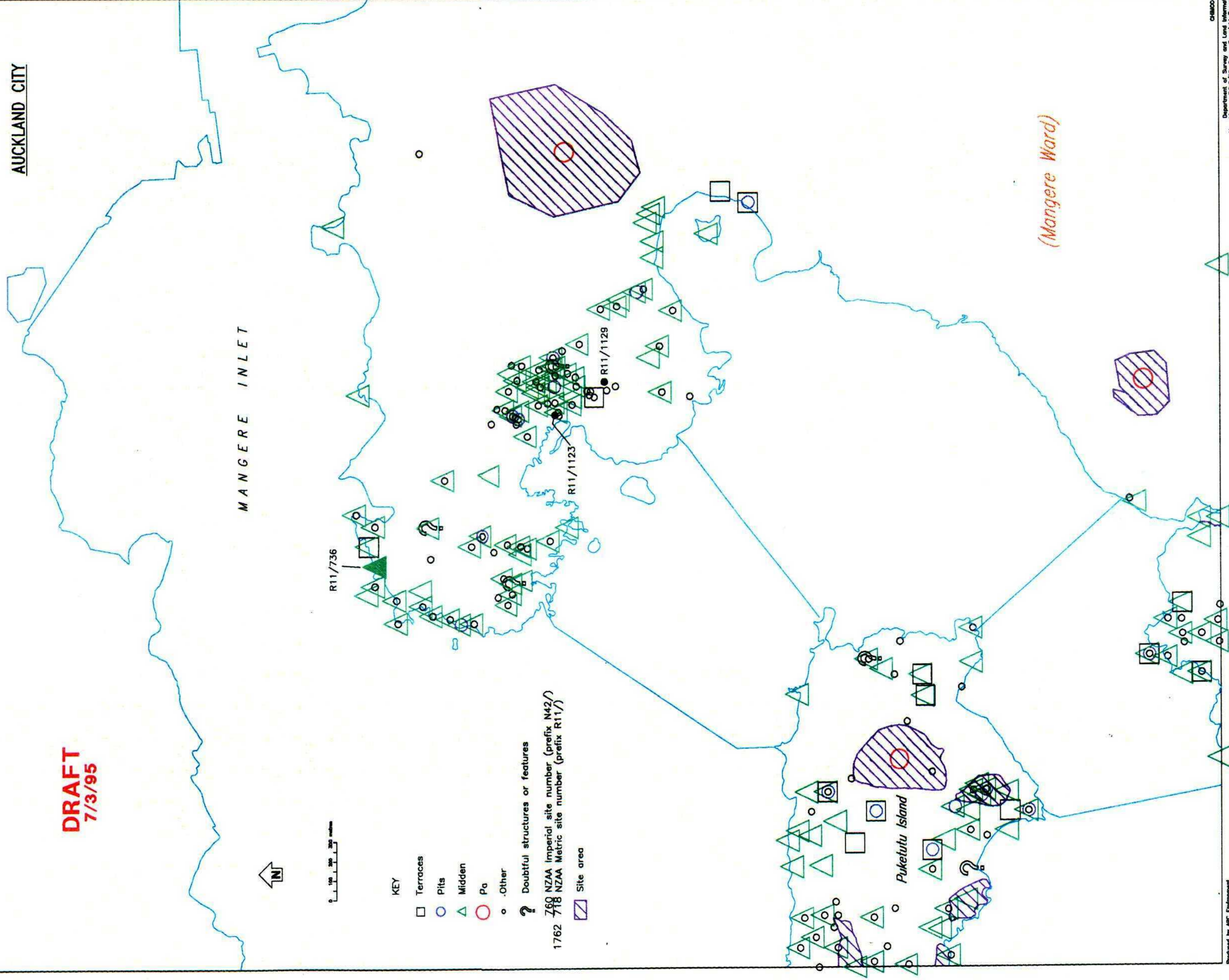
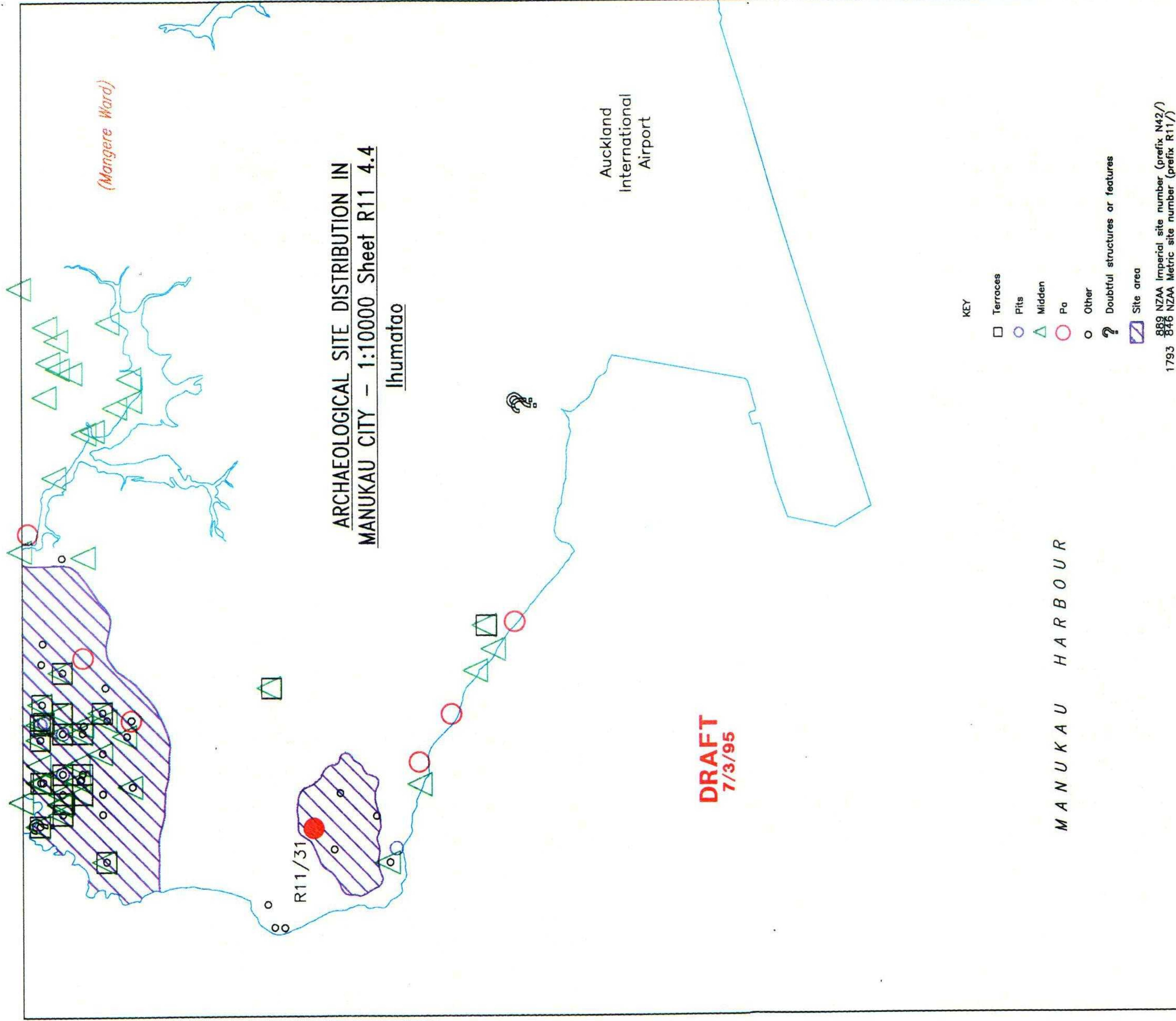


FIGURE 5

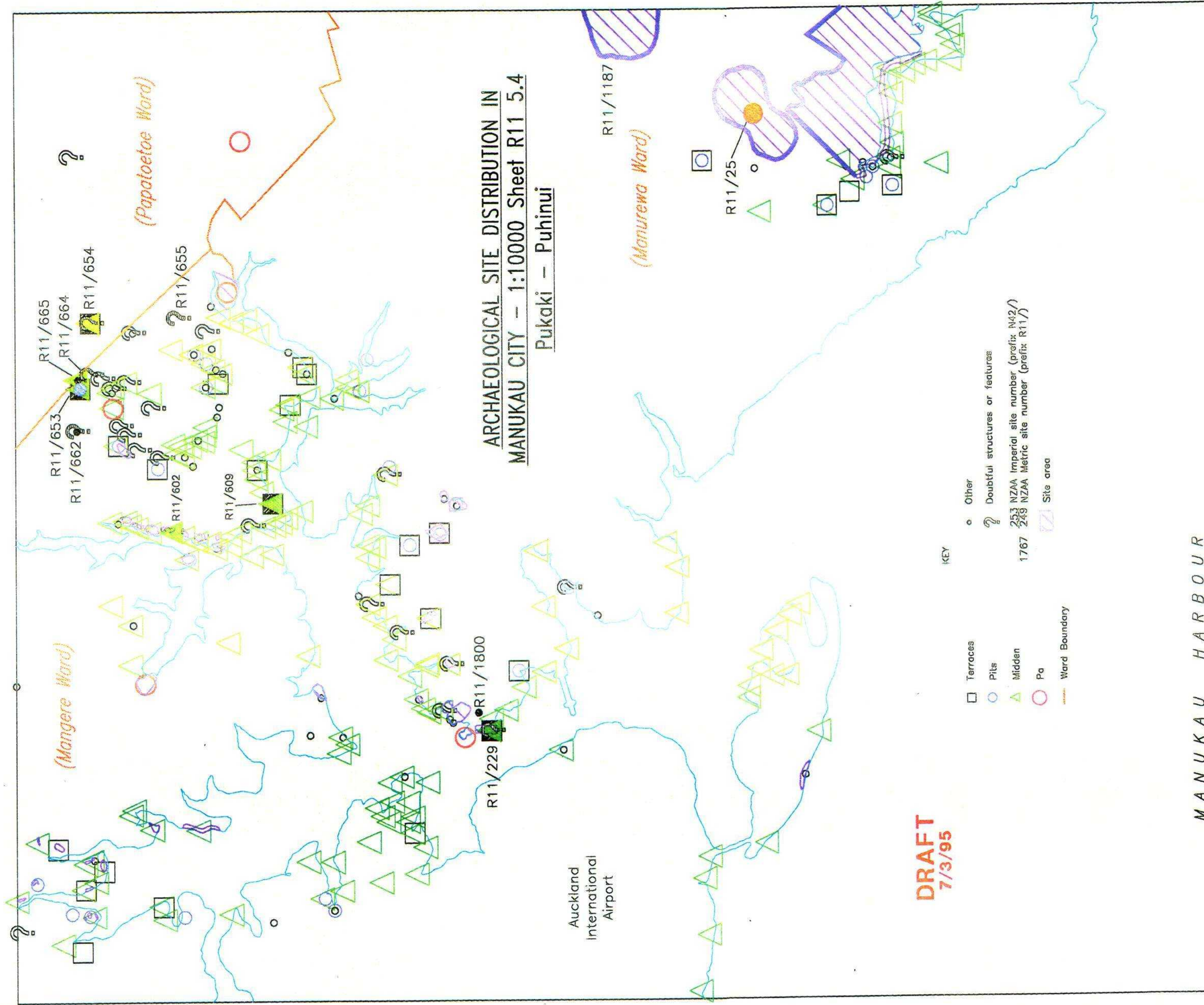


DATE: 8 MARCH 1985

SOURCES: The New Zealand Archaeological Association (NZAA) Site Recording Scheme Auckland Region Site File, and
The Department of Conservation Wellington Conservation Sciences Centre Archaeology Database.

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FIGURE 6

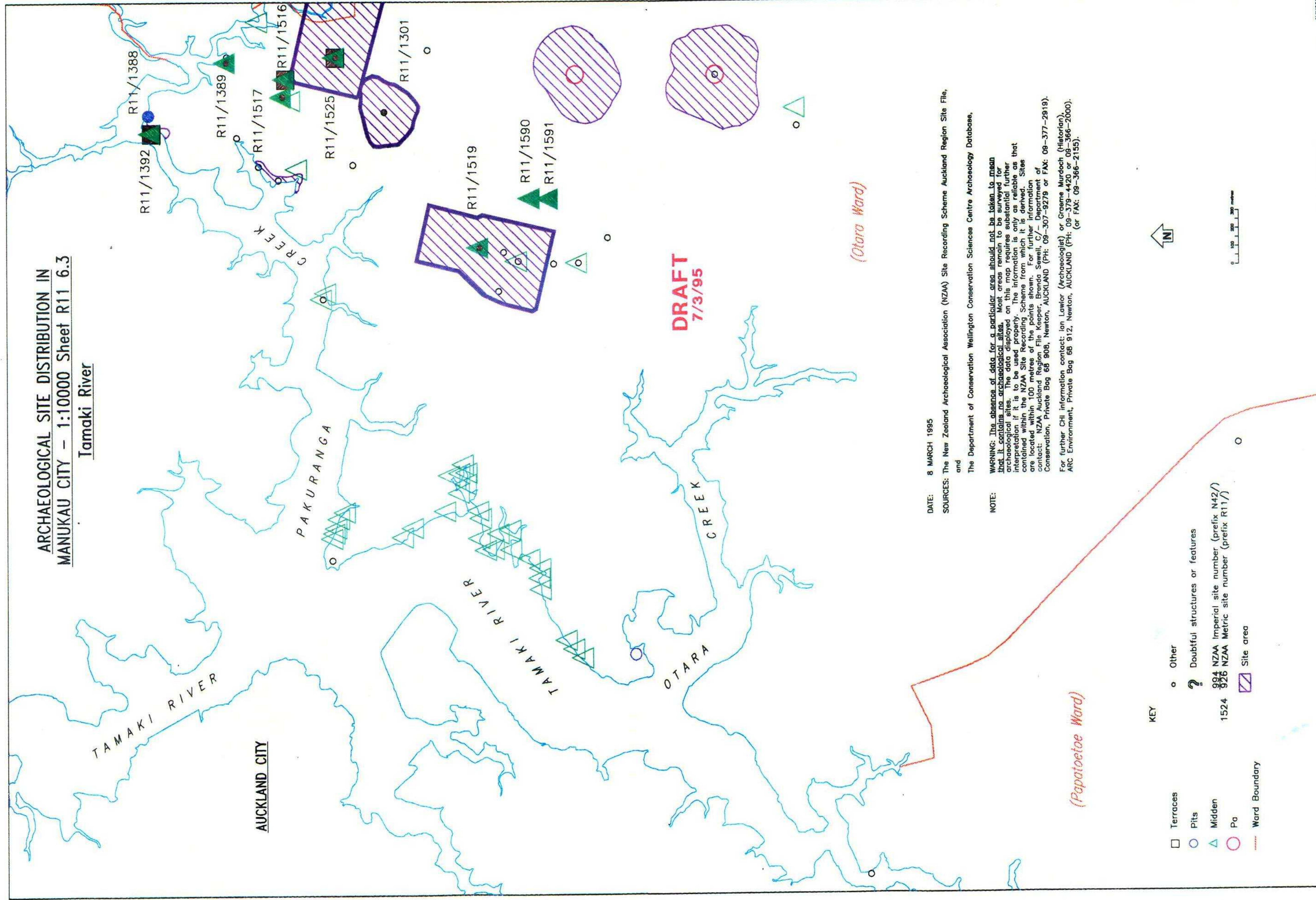


DATE: 8 MARCH 1995

SOURCES: The New Zealand Archaeological Association (NZAA) Site Recording Scheme Auckland Region Site File,
and
The Department of Conservation Wellington Conservation Sciences Centre Archaeology Database.

NOTE: The absence of data for a particular area should not be taken to mean that it contains no archaeological sites. Most areas remain to be surveyed for archaeological sites. The data displayed on this map requires substantial further interpretation if it is to be used properly. The information is only as reliable as that contained within the NZAA Site Recording Scheme from which it is derived. Sites are located within 100 metres of the points shown. For further information of contact: NZAA Auckland Region File Keeper, Brenda Sewell, C/- Department of Conservation, Private Bag 68 908, Newton, AUCKLAND (PH: 09-307-9279 or FAX: 09-377-2919). For further CHI information contact: Ian Lawlor (Archaeologist) or Graeme Murdoch (Historian), ARC Environment, Private Bag 68 912, Newton, AUCKLAND (PH: 09-379-4420 or 09-366-2000) (or FAX: 09-366-2155).

ARCHAEOLOGICAL SITE DISTRIBUTION IN
MANUKAU CITY - 1:10000 Sheet R11 6.3
Tamaki River



DATE: 8 MARCH 1995

SOURCES: The New Zealand Archaeological Association (NZAA) Site Recording Scheme Auckland Region Site File, and The Department of Conservation Wellington Conservation Sciences Centre Archaeology Database.

NOTE: WARNING: The absence of data for a particular area should not be taken to mean that it contains no archaeological sites. Most areas remain to be surveyed for archaeological sites. The data displayed on this map requires substantial further interpretation. It is to be used properly. The information is only as reliable as that contained within the NZAA Site Recording Scheme. Sites from which it is derived. Sites are located within 100 metres of the points shown. For further information contact: NZAA Auckland Region File Keeper, Brenda Sewell, C/- Department of Conservation, Private Bag 68 808, Newton, AUCKLAND (PH: 09-307-9279 or FAX: 09-377-2919). For further CHI information contact: Ian Lawlor (Archaeologist) or Graeme Murdoch (Historian), ARC Environment, Private Bag 68 912, Newton, AUCKLAND (PH: 09-379-4420 or 09-366-2000). (or FAX: 09-366-2155).

- KEY
- Terraces
 - Pits
 - △ Midden
 - Pa
 - Site area
 - Ward Boundary
 - Other
 - Doubtful structures or features
 - 994 NZAA Imperial site number (prefix N42/)
 - 1524 NZAA Metric site number (prefix R11/)

FIGURE 8

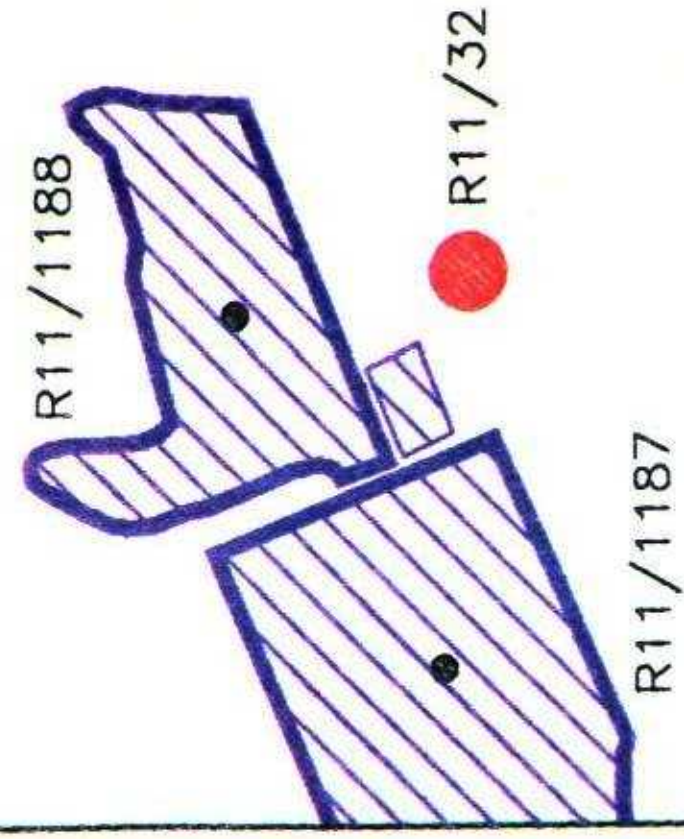
ARCHAEOLOGICAL SITE DISTRIBUTION IN MANUKAU CITY - 1:10000 Sheet R11 6.4

Manurewa

(Otara Ward)

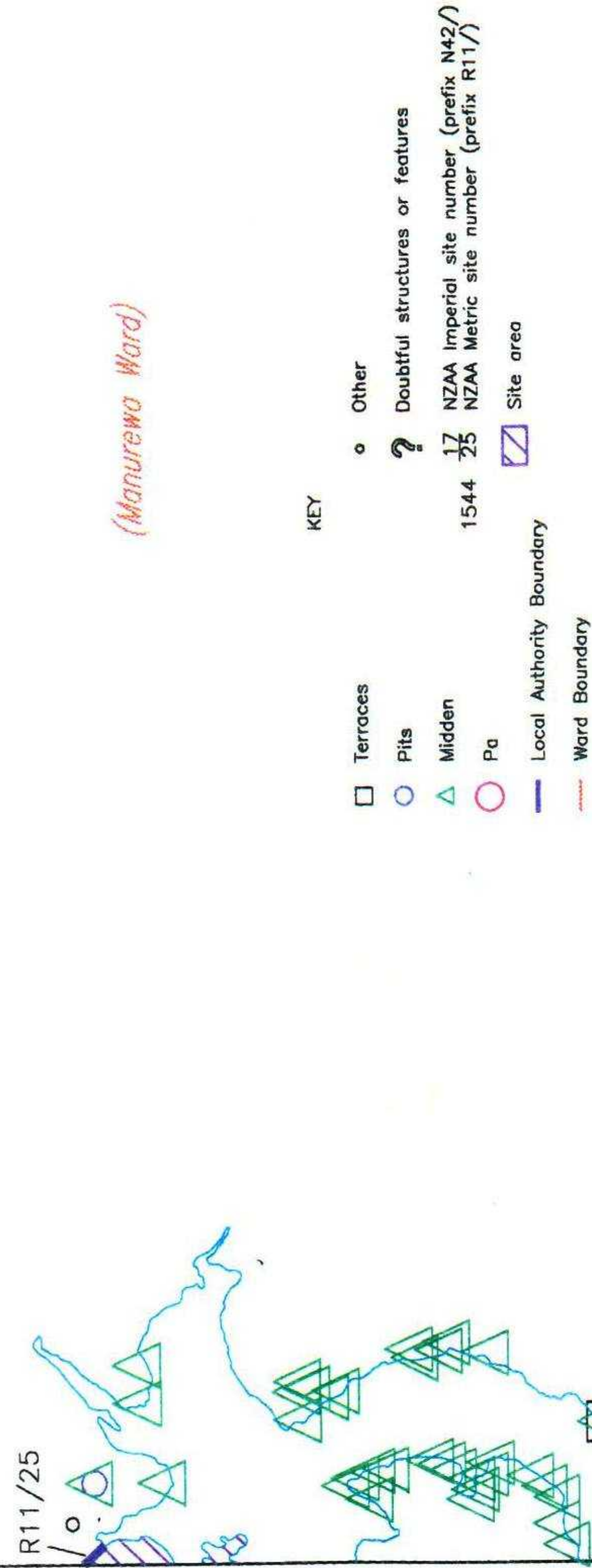
(Papatoetoe Ward)

DRAFT
7/3/95



DATE: 8 MARCH 1995
SOURCES: The New Zealand Archaeological Association (NZAA) Site Recording Scheme Auckland Region Site File,
and
The Department of Conservation Wellington Conservation Sciences Centre Archaeology Database.

NOTE: WARNING: The absence of data for a particular area should not be taken to mean that it contains no archaeological sites. Most areas remain to be surveyed for archaeological sites. The data displayed on this map requires substantial further interpretation if it is to be used properly. The information is only as reliable as that contained within the NZAA Site Recording Scheme from which it is derived. Sites are located within 100 metres of the points shown. For further information of contact: NZAA Auckland Region File Keeper, Brenda Sewell, C/- Department of Conservation, Private Bag 68 908, Newton, AUCKLAND (PH: 09-307-9279 or FAX: 09-377-2919).
For further CHI information contact: Ian Lawlor (Archaeologist) or Graeme Murdoch (Historian), ARC Environment, Private Bag 68 912, Newton, AUCKLAND (PH: 09-379-4420 or 09-366-2000). (or FAX: 09-366-2155).

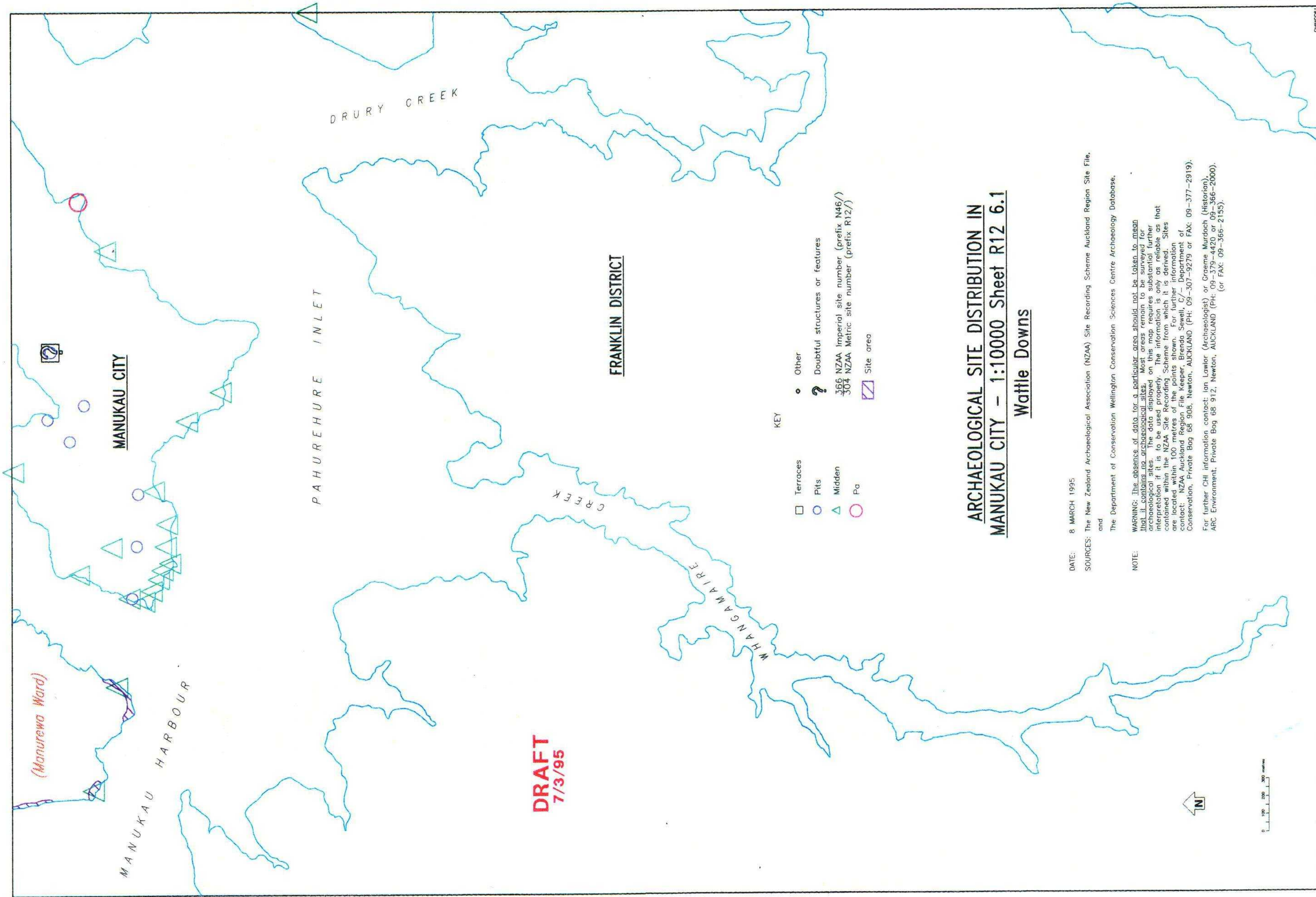


- KEY
- Terraces
 - Pits
 - △ Midden
 - Pa
 - Local Authority Boundary
 - Ward Boundary
 - Other
 - ? Doubtful structures or features
 - 17 NZAA Imperial site number (prefix N42/)
 - 25 NZAA Metric site number (prefix R11/)
 - 1544
 - Site area

MANUKAU CITY

PAPAKURA
DISTRICT

FIGURE 9



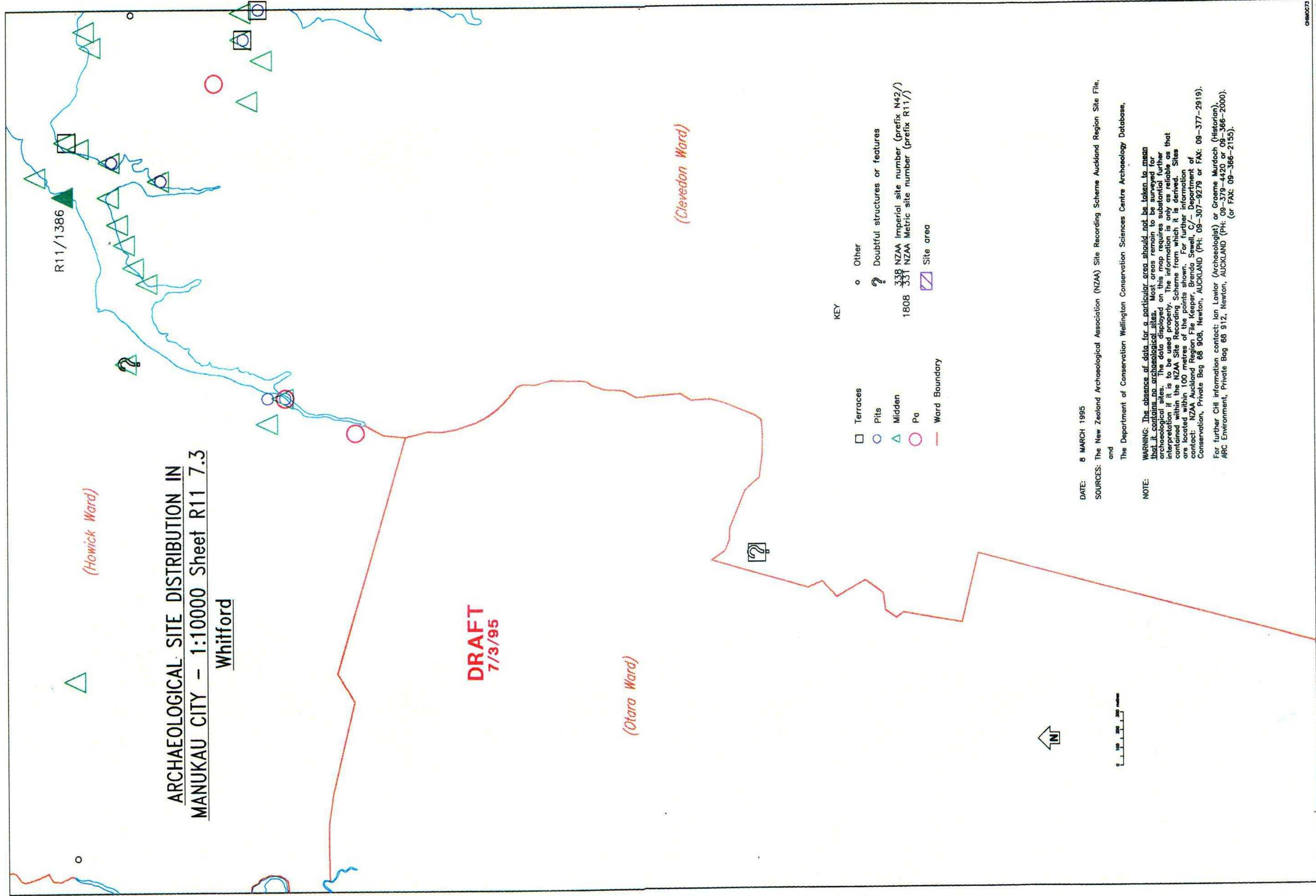


FIGURE 11

ARCHAEOLOGICAL SITE DISTRIBUTION IN
MANUKAU CITY - 1:10000 Sheet R11 7.4

Alfriston

(Clevedon Ward)

MANUKAU CITY

DRAFT
7/3/95

(Manurewa Ward)

FRANKLIN DISTRICT

0 100 200 300 metres



- KEY
- | | | | |
|-----|--------------------------|-----|---|
| □ | Terraces | ○ | Other |
| ○ | Pits | ? | Doubtful structures or features |
| △ | Midden | 317 | NZAA Imperial site number (prefix N42/) |
| ○ | Pg | 311 | NZAA Metric site number (prefix R11/) |
| — | Local Authority Boundary | ▨ | Site area |
| --- | Ward Boundary | | |

DATE: 8 MARCH 1995

SOURCES: The New Zealand Archaeological Association (NZAA) Site Recording Scheme Auckland Region Site File,
and
The Department of Conservation Wellington Conservation Sciences Centre Archaeology Database.

NOTE:

WARNING: The absence of data for a particular area should not be taken to mean that it contains no archaeological sites. Most areas remain to be surveyed for archaeological sites. The data displayed on this map requires substantial further interpretation if it is to be used properly. The information is only as reliable as that contained within the NZAA Site Recording Scheme from which it is derived. Sites are located within 100 metres of the points shown. For further information contact: NZAA Auckland Region File Keeper, Brenda Sewell, C/- Department of Conservation, Private Bag 68 908, Newton, AUCKLAND (PH: 09-307-9279 or FAX: 09-377-2919).

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ARC Environment, Private Bag 68 912, Newton, AUCKLAND (PH: 09-379-4420 or 09-366-2000),
(or FAX: 09-366-2155).

FIGURE 12