



ARTILLERY CAMP ADMINISTRATION BAY MOTUTAPU ISLAND

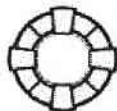
A HERITAGE ASSESSMENT

ARTILLERY CAMP ADMINISTRATION BAY MOTUTAPU ISLAND

A HERITAGE ASSESSMENT

Prepared for the
Department of Conservation

By
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1 INFORMATION

SUBJECT AND AUTHORSHIP

This heritage assessment concerns the former Artillery camp, located in Administration Bay on Motutapu Island in Auckland's Hauraki Gulf. The camp now functions as the Motutapu Outdoor Education Centre and caters for school groups and other organisations.

The purpose of the document is to assess the significance of the camp as a whole and the buildings which make up the camp. It is intended that the document be used to evaluate the appropriateness of any changes that might be considered to the buildings and the effects that those changes might have on the significance of the place.

The assessment was commissioned by the Department of Conservation, Auckland Conservancy and written by Dave Pearson, principal of Dave Pearson Architects Limited. The historical account was supplied by Dave Veart from the Department of Conservation. Additional material was obtained from the document "The Military Installations of Motutapu Island – A Conservation Plan", prepared by Dave Pearson Architects Limited.

FORMAT OF DOCUMENT

The document generally follows the format of Part 1 of a conservation plan as described in the publication *The Conservation Plan; a Guide to the Preparation of Conservation Plans for Places of Cultural Significance* (third edition) prepared by J S Kerr for the National Trust of Australia. Reference was also made to the Department of Conservation's *Standard Conservation Plan Contents Specification* and the *Guidelines for Preparing Conservation Plans*, prepared by the New Zealand Historic Places Trust.

The assessment is also consistent with the *ICOMOS New Zealand Charter for the Conservation of Places of Cultural Heritage Value* (1993). The definitions in the heritage assessment are as defined in the Charter.

The heritage assessment includes a brief history of the Motutapu Island battery and the Artillery camp, in particular. It then assesses the significance of the place in terms of criteria used by the New Zealand Historic Places Trust. The second part of the document comprises a schedule of the individual buildings that make up the camp. The schedule describes the construction and materials used, the modifications known to have occurred and notes the condition and lists any defects. Lastly the significance of the building and its components is assessed.

HERITAGE LISTINGS

Department of Conservation

Motutapu Island is a reserve administered by the Department of Conservation. It is listed in the Department of Conservation Auckland Conservancy's Conservation Management Strategy as Key Area 19. The military installations of Motutapu Island are included in the Auckland Conservancy's Register of Actively Managed Historic Places. The Conservancy's Historic Resources Strategy identifies Motutapu Island as one of the most significant historical and cultural sites in the conservancy and includes the military sites. The Motutapu Restoration Working Plan develops the policies established in the Historic Resources Strategy.

Auckland City Council

Motutapu Island is zoned Land Unit 23 – Conservation Islands in the Hauraki Gulf Islands section of the Auckland City Council District Plan. The object of the land unit is to ensure that conservation and preservation of the natural environment occurs.

Auckland Regional Council

The military sites on Motutapu and Rangitoto Island are listed as item no. 139 in the Cultural Heritage Inventory as compiled by the Auckland Regional Council and in the Regional Coastal Plan as item no. 798.

New Zealand Historic Places Trust

The New Zealand Historic Places has registered the “Motutapu Battery, Motutapu Island, Auckland 6-inch Coastal Defence Battery & Battery Camp (the Artillery Camp) as a Category 1 Historic Place according to Part II of the Historic Places Act 1993. This identifies them as a “Place of special or outstanding historical or cultural heritage significance or value”.

PHOTOGRAPHIC SOURCES

The contemporary colour photographs were taken by Dave Pearson.

ACKNOWLEDGEMENTS

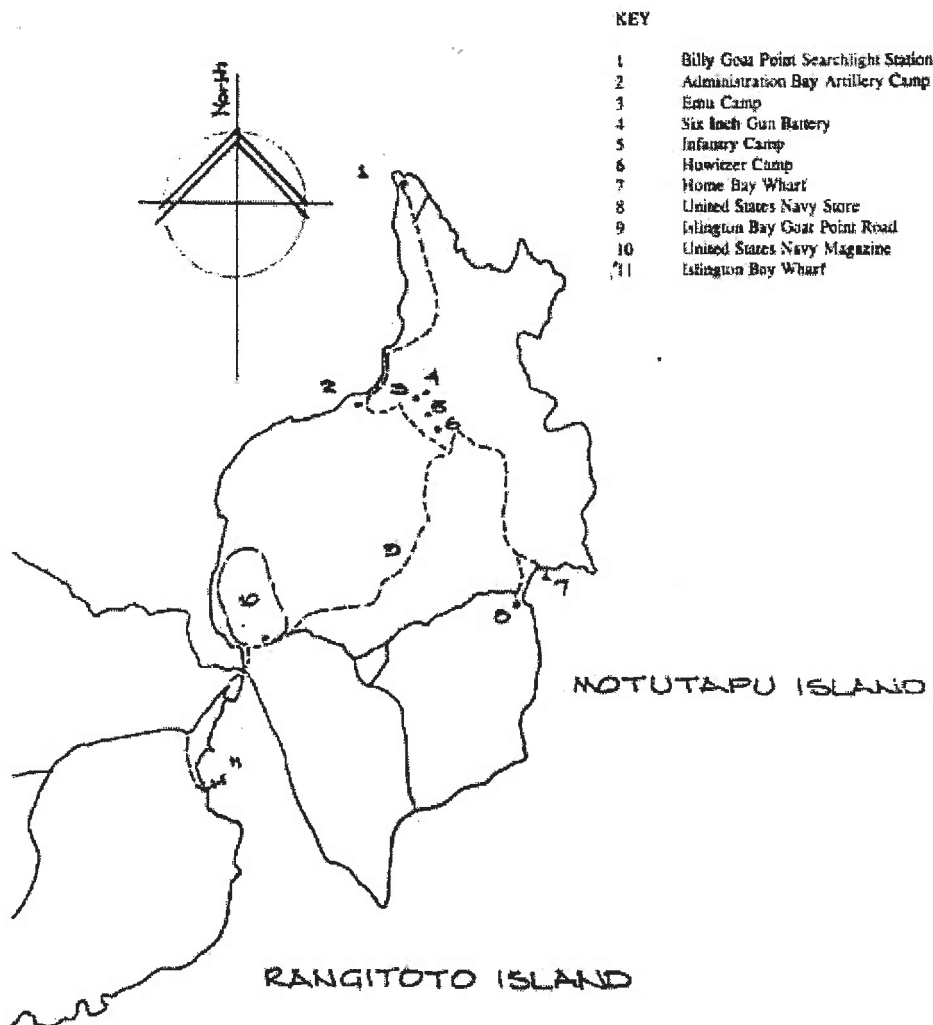
The assistance of the resident teacher and other staff at the Motutapu Outdoor Education Centre is acknowledged. Thanks are also due to Dave Veart and Sarah Macready of the Department of Conservation for their assistance.

2 HISTORICAL ACCOUNT

THE MOTUTAPU BATTERY

Motutapu Island was selected in 1933 as the site for a new 6inch gun battery to be part of Auckland's Coast Defence network. In addition to the battery, other structures were built to make Motutapu one of the country's most extensive and comprehensive military installations.

In addition to the battery, ammunition magazines, a battery command post, observation posts, a radar room, engine rooms, an underground plotting room, a miniature range, a wireless room, various shelters, pillboxes and searchlight installations were also constructed on the island.



Motutapu Island showing principal military installations
(The Military Installations of Motutapu Island – a Conservation Plan. Dave Pearson Architects 1997)

The personnel manning these installations needed to be accommodated and a series of camps were constructed for this purpose. The Artillery camp at Administration Bay was the main accommodation facility on the island, serving as barracks for the 6-inch battery, as well as the overall headquarters and administrative centre.

Other camps included the Battery camp located directly behind the main gun emplacement, whose purpose was to provide accommodation and other facilities for gun crews, the Navy camp adjacent to the Battery Camp, which provided accommodation for Naval personnel manning the anti-submarine defence station Emu, the Infantry camp for soldiers who were charged with protecting the island against direct assault and the Howitzer camp, established to house men for a small three-gun artillery battery.

CONSTRUCTION OF THE ARTILLERY CAMP

The site works for the camp at Administration Bay began in early 1937 with streams being diverted and additional drainage work being carried out. The first buildings in the area were constructed for employees of the Public Works Department¹. In January 1938, a contract was let for the construction of camp buildings including a guardroom, latrine, bathroom, kitchen, and dining and administration blocks at a cost of £3,730². The facilities were, however, just for core staff and at the outbreak of war, most of the wartime complement had to sleep in tents until the full camp was completed.

Financial approval for the camp was received in late 1939 and construction was largely complete by late 1940. Conditions up until the final fitting out were described as “squalid”³. By 1944, there were 300 military personnel and 80 Public Works Department staff living at Administration Bay⁴.

THE END OF THE MOTUTAPU BATTERY

In 1944, the number of people at the camp fell as the gun battery was placed on reserve; by mid 1944, there were only about 50 people at the camp – mostly staff and service crew for the radar units.

In 1944, buildings from the Battery, Naval, Infantry and Howitzer camps were removed from the island. Foundation blocks and some concrete slabs are now the only evidence of these camps. The Artillery camp escaped this fate and remains generally intact to this day.

By 1946, the public entry restrictions were lifted for Motutapu, with the exception of the camp area. In September 1946, the Women’s Army Auxiliary Corps and the service crews left the camp which was then used by the Territorial Army during the late 1940s and early 1950s.

With the abolition of the coast defences in 1958, the area was gradually run down and by 1962 the Artillery camp was empty⁵.

¹ Corbett, in press:109-10

² Dowdle, 1988:57

³ Corbett, in press:110

⁴ Dowdle, 1988: 95

⁵ Ibid p 92

RECENT HISTORY

Since 1965, the Artillery Camp has been used as a youth camp. It was run by the Coastguard from 1965 but, by 1975, it was it was being run under the auspices of the YMCA.

The Hauraki Maritime Park Board then assumed responsibility for the camp. Consequently, the Motutapu Education Camp Management Committee was set up by the Board at its meeting on 20 April 1988. The committee facilitated the change over to Department of Conservation management and the upgrading of facilities.

The MOEC Trust that currently administers the camp was established in 1995.

3 PHYSICAL DESCRIPTION

LAYOUT OF THE CAMP

The Artillery Battery was the largest camp on the island, containing six barracks buildings. In addition, there were another 24 structures on the site. These included mess and cooking buildings, toilets and ablutions, drying rooms, laundries, a recreation room, lecture room, hospital, workshops, quartermaster's store and detention cells.

At the time the other camps were disestablished, the Artillery Camp was left largely intact and many of the buildings still survive. The camp now serves as the Motutapu Outdoor Education Camp.

The first building encountered on entering the camp area is the former hospital, now the teacher's dwelling. This building has concrete walls and a corrugated steel roof. Various additions have been constructed to meet the needs of the teacher's family. Continuing down the access road, a weather-boarded structure off a track to the left housed the carpenter and the power station. It is currently a tractor shed. The next building encountered is the former motor transport workshop, now the generator shed and propagation unit. This building was also constructed in a similar manner to the hospital with concrete walls and has a corrugated steel roof.

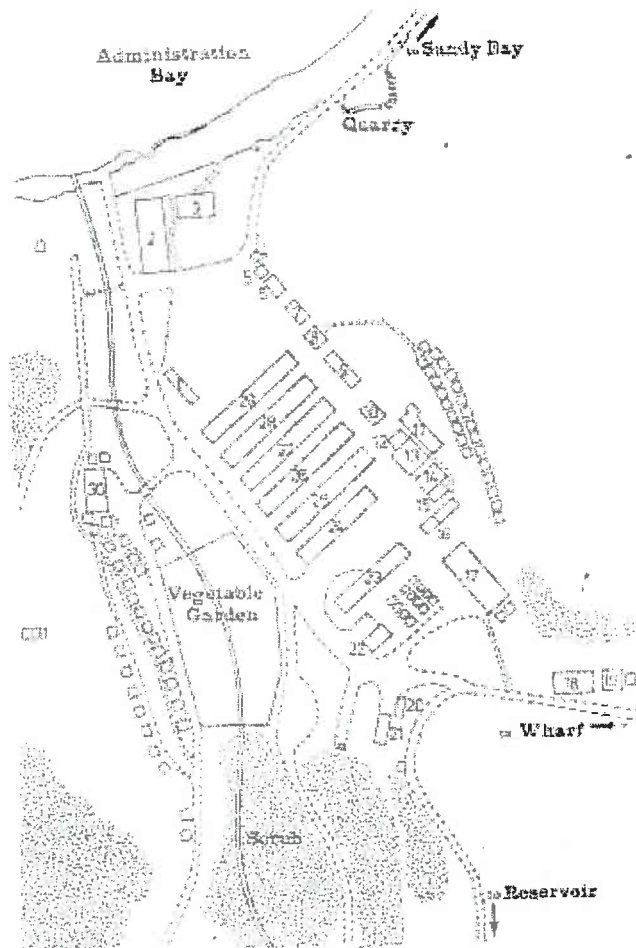
To the north of the generator shed is the former quartermaster store. This building, also constructed of concrete is now a workshop and flat. East of this building is the weather-boarded recreation hall. This structure now serves as the gymnasium. To the north of the gymnasium is the old shower and ablution block.

To the north of the shower and ablution block is the present kitchen complex. This appears to comprise a series of buildings which have been bought together and linked up to provide one larger building.

Down the slope immediately below the former quartermaster store is a building that was the one-time sergeant's quarters. This now functions as a study centre and accommodation for the camp cooks. Below this again is a barracks building that served as a men's quarters. This is now known as the Discovery Centre. Another four accommodation blocks are located below what is now the Discovery Centre. Two of these were formerly men's quarters, the third housed men and WACs and the fourth was labeled as a dormitory. These four blocks are still used for accommodation.

On the flat area of land below the bottom barracks building is the parade ground, overlooked by what was the orderly room. This building has been extended and now serves as sports and equipment store. The last two former camp buildings are located overlooking the beach. These are the former officers' quarters and to the east of this was the officers' mess. These currently serve as the visitor lodge and the caretaker's dwelling respectively.

In recent times, two new ablution blocks have been constructed to the east of the dormitory buildings.



Artillery Camp– General Layout

Key to Buildings

- | | |
|-------|---|
| 1 | Sports/equipment Store
(Orderly room) |
| 2 | Visitor Lodge
(Officers' quarters) |
| 3 | Caretaker's dwelling
(Officers' mess) |
| 12-15 | Kitchen, dining hall, dishwashing
(Wash-up, cookhouse, coal store, vegetable store.) |
| 16 | Old ablution block
(Showers, toilets) |
| 18 | Teacher's dwelling
(Hospital) |
| 21 | Tractor shed
(Carpenter, power station) |
| 22 | Generator shed, propagation unit
(Motor transport workshop) |
| 23 | Workshop & flat
(Quartermaster store) |
| 24 | Study centre
(Sergeants' quarters) |
| 25 | Discovery/office
(Men's quarters) |
| 26 | Dormitory
(Men's quarters) |
| 27 | Dormitory
(Men's quarters) |
| 28 | Dormitory
(Men's & WACs quarters) |
| 29 | Dormitory |

CONSTRUCTION OF THE CAMP BUILDINGS

The Artillery Camp buildings are readily recognised as military buildings of their era. The majority of the buildings are elongated with a gabled roof, the ridge of which runs the length of the structure. The roofs have recently been replaced with long-run corrugated steel. An earlier report states that the roofs were originally tiled⁶.

Some of the buildings have walls of concrete. These include the former hospital, the former motor transport workshop, the former Quartermaster's store, the old ablution block and the officers' mess. The floors in these buildings are also generally concrete.

The remaining buildings are timber framed. These include the accommodation blocks, the recreation room, the former orderly room, the officers' accommodation, the kitchen block and the recreation room.

The timber-framed buildings generally have Rimu tongue and groove timber floors fixed to conventional timber floor framing. This comprises joists and bearers supported on concrete piles. Although the wall framing could not be seen, it is likely to consist of timber top and bottom plates with timber studs and nogs. The walls are sheathed on the exterior with bevelbacked weatherboards, with vertical boarding to the bases. The building exteriors are finished with timber trim which includes corner boxes, joinery facings, barges and fascias.

Interior wall linings throughout the camp vary but include softboard (former hospital), tongue and groove boarding (officers' accommodation) and plasterboard. The main accommodation blocks typically have a dado of tongue and groove boarding to the lower section with plasterboard above. The hardboard linings seen in areas such as the bathroom area in the former hospital probably dates from a later period. Timber skirtings and joinery architraves have been provided throughout the interior of the buildings. Although the interior timber linings and trim are now painted, it appears that, originally, much of it was varnished. Original varnish finishes can still be seen in the store at the southwest end of the present Discovery building (formerly men's quarters).

The Artillery Camp buildings generally have a roof structure comprising timber trusses overlaid with timber purlins and sarking. In the majority of buildings including the main accommodation barracks, the kitchen and the recreation room the trusses have been left exposed. The trusses typically comprise timber top and bottom cords and timber struts. Within the accommodation blocks, the struts have been simply nailed to the cords, while in buildings such as the kitchen where the trusses have a larger span, the cords and struts are bolted. The trusses in the recreation room have a greater span again and have been constructed with double top and bottom cords.

Suspended ceilings have been fixed in the remaining buildings including the former hospital, the Quartermasters' store, the orderly room and the officers' accommodation and mess. The ceilings originally appear to have been softboard (hospital, Quartermaster's store) or tongue and groove boarding (some rooms within the officers' accommodation). Plasterboard ceilings in buildings such as the officers' mess may date from a later period.

Joinery to all the buildings is made from timber. Each window comprises a pair of three-light casement sashes with fanlights above. Original exterior doors are sheathed with tongue and

⁶ The Military Installations of Motutapu Island – A Conservation Plan p 52. Dave Pearson Architects Ltd, 1997.

groove boarding while original internal doors as seen in buildings such as the former hospital are paneled.

MODIFICATIONS TO THE CAMP

The camp has survived remarkably intact. Buildings known to have been removed include a series of seven small structures to the east of the dormitory blocks. These probably included toilets, showers and other ancillary functions. As noted, two new ablution blocks have been constructed in this area.

The only other building that has been removed from the site appears to have been one located to the east of the teacher's residence, formerly the hospital. This may have housed medical orderlies or similar functions.

With respect to the buildings, various changes have taken place, however, the overall form of the buildings is generally unchanged. Buildings where particular changes have taken place include the former hospital where extensions such as the new living room have been provided to meet the needs of the teacher's family, the former motor transport workshop which has been extended to provide a propagation shed, the kitchen complex where individual buildings have been linked together and a deck provided and the former officers' quarters where a deck and verandah have been added to the northern end. A large area has been added to the former orderly room to provide storage for boats and other equipment.

Other minor alterations have occurred to other buildings. The verandah to the former officers' mess has been partly closed in and some doors and windows in the accommodation blocks appear to have been repositioned. Some relatively minor changes have occurred to the interior of the accommodation blocks with partitions either being added or removed.

4 THE SIGNIFICANCE OF THE ARTILLERY CAMP

In this section, an assessment is made of the significance of the Artillery Camp on Motutapu Island. Firstly, the significance of the elements that make up the various buildings is summarised. Secondly, the significance of the camp as a whole is evaluated and expressed in the form of a Statement of Significance.

With respect to the significance of individual elements, additional detail can be found in the schedules at the end of the document.

CRITERIA FOR ASSESSMENT

Assessment Categories

The significance of the place is assessed in terms of the categories listed below. These categories are based on those used by the New Zealand Historic Places Trust.

Historic (H)	<i>Elements having historic significance have the ability to demonstrate an association with individuals, ideas or events.</i>
Aesthetic (A)	<i>Elements having aesthetic significance can be said to make a contribution to the architectural or aesthetic qualities of the place or its setting.</i>
Social (S)	<i>Elements having social significance are able to demonstrate cultural, spiritual, traditional or any other behavioural patterns.</i>
Scientific (Sc)	<i>Elements having scientific significance may be able to demonstrate a particular technology or construction technique of the period. They may also provide information regarding how the place may have been used.</i>

Degree of Significance

The degree of significance is assessed in accordance with the following scale:

Considerable	<i>An element having considerable significance is considered to make an important contribution to the overall significance of the structure.</i>
Some	<i>An element having some significance makes a comparatively minor contribution to overall significance.</i>
Not Relevant	<i>Elements in this category may not have any particular significance, however, they allow the structure to function.</i>
Intrusive	<i>Elements described as being intrusive are accretions that detract from overall significance or obscure fabric of greater value.</i>

SIGNIFICANCE OF ELEMENTS

As noted, the significance of the various elements that make up the buildings is detailed in the schedule at the end of this document. Their significance is summarised as follows:

Considerable Significance

- Weatherboards, corner boxes, baseboards.
- Original window, door joinery.
- Original timber floors.
- Concrete walls.
- Timber roof trusses, sarking.
- Fireplace in officers' mess.
- Moulded interior trim.
- Original trim with varnish finish.

Some Significance

- Early modifications.
- Concrete floors.
- Modified joinery.
- Original softboard wall linings.
- Original plasterboard linings.
- Plain interior trim.

Not Relevant

- Recent unobtrusive additions.
- Later partitions.
- Decks, verandahs.
- Later joinery.
- Later fittings including kitchen benches.
- Later toilets, shower and other sanitary ware.
- Sprinkler pipe runs.
- Corrugated steel roofing.

Intrusive

- Recent insensitive additions.
- Plastic spouting and downpipes.
- Fire hose reels.

STATEMENT OF SIGNIFICANCE

Historic

- **Associations**

The Artillery camp is associated with employees of the Public Works Department, the military personnel who were based there, members of the Territorial Forces who occupied the camp in the later 1940s and the contractors responsible for its construction.

- **Events**

The Artillery camp was constructed as part of Auckland's Coast defence network. Work began on the camp in 1937 and was completed in 1940. As well as housing personnel stationed at the 6-inch battery, the camp served as the headquarters and administrative centre for the island. The event that the camp is primarily associated with is the Second World War, one of the most momentous episodes in New Zealand's history.

Aesthetic

- **Contextual**

The Artillery Camp is well established within Administration Bay and forms part of the historic fabric of Motutapu Island. The buildings are well positioned in the valley and relate to the contours of the land, following the gradient of the slope down to the sea. The Officers' quarters and mess overlook the beach and the sea.

- **Architectural**

The design of the camp buildings with their long, narrow form, weather boarded walls and standard window joinery readily identify them as being buildings of military origin. The concrete buildings have an air of permanence and impregnability.

Social

- **Cultural**

The layout of the Artillery camp and the positioning of the buildings provides considerable insight into the culture of a New Zealand military camp in the mid twentieth century. There was clearly a system of hierarchy in the camp. The officers had the best facilities with their accommodation quarters and mess occupying prime locations overlooking the beach. In contrast, the accommodation provided for the enlisted men was humble and basic by comparison. The sergeant's quarters were strategically located uphill above the barracks occupied by the enlisted men and women.

- **Traditional**

Army life has been a traditional aspect of life in England and the countries which were its one-time colonies. This life is portrayed in the Artillery camp on Motutapu Island.

Scientific

- **Technological**

The camp buildings demonstrate typical construction techniques of the period. The timber framed construction and use of materials such as weatherboards, timber joinery, tongue and groove timber floors and softboard wall and ceiling linings could be found in many houses of the day. The exposed bolted timber trusses were commonly found in military buildings.

The concrete buildings are relatively unusual. Concrete has been used for the hospital, the motor transport workshop, the quartermaster's store and the officers' mess. It is not known why these particular buildings should be made of concrete – possibly, in the case of the hospital, for example, they were considered to be the most vulnerable in times of attack.

- **Functional**

The buildings and layout of the camp demonstrate the way the camp was run. The hospital was located near the entrance to the camp and away from the other accommodation facilities. The mechanical and ancillary functions such as the cookhouse, the workshop and the Quartermaster's store were also positioned near the entrance to the camp, presumably for ease of access. The orderly building is positioned where it has an uninterrupted view of the parade ground.

- **Rarity/Intactness**

The Artillery camp was one of five camps constructed on the island. The Artillery camp is now the only one that remains after the others were disestablished and the buildings removed in 1944. The buildings that make up the camp are not unique – similar buildings can be found in other parts of the country and, in Auckland, at places such as North Head and Fort Takapuna.

The Motutapu camp is unusual for the number and variety of buildings that have survived. The general overall intactness of the camp, as well as that of the individual structures, also contributes to the significance of the place.

Overall Assessment

The Artillery Camp on Motutapu Island is assessed as having **considerable** significance under historic, aesthetic, social and scientific criteria.

5 BIBLIOGRAPHY

- Corbett, P. in press A First Class Defended Port. A History of the Coast Defences of Auckland, its Harbour and Approaches, Department of Conservation.
- Dowdle, B. 1988, Motutapu Outdoor Education Camp, Teacher Resource Handbook, Department of Education, Auckland.
- Pearson, D. The Military Installations of Motutapu Island – A Conservation Plan. 1997.

APPENDIX 1 – SCHEDULE OF BUILDINGS

Assessment of Significance

The exterior form of the building has been changed with the addition of the extension to the rear. Some joinery has been changed. The interior has also been modified. Because of the changes, it now has some significance. Significance could be recovered at a future date.

Present overall rating – Some

Potential rating – Considerable

Considerable	Weatherboards, original window & door joinery. Original painted T&G dado, trim.
Some	Other original internal linings, early partitions, timber floors.
Not relevant	Roofing, later doors, later partitions, later joinery.
Intrusive	Plastic spouting, recent extension.

BUILDING 2 – VISITOR LODGE (FORMERLY OFFICERS' QUARTERS)

Description	
Exterior	
Roof	Corrugated steel roof.
Walls	Weatherboards, vertical baseboards.
Joinery	Timber doors & casement windows.
Interior	
Ceilings	Original ceilings - timber T&G.
Walls	Original walls – timber T&G.
Floors	Timber tongue & groove/concrete to shower & toilet areas.
Modifications	
Exterior	
<ul style="list-style-type: none"> • Deck and verandah added to west elevation near north end, also to north elevation. • Doors and windows all changed in same area. • Porch to east elevation roofed over. • Toilet waste added. • Roof replaced, spouting replaced with plastic. 	
Interior	
<ul style="list-style-type: none"> • Lounge area at north end of building relined. • Bench fittings added. • Showers added, also some later partitions & linings 	
Condition	
Exterior	
Roof, walls	Roof & wall areas in reasonable condition.
Joinery:	Joinery in reasonable condition.
Interior	
All surfaces:	Generally good condition.

Assessment of Significance

The exterior form of the building has been changed with the addition of decks and verandahs at the northern end and the provision of new joinery. Some changes have occurred to the interior. The changes are considered reasonably sympathetic. As the former officers' quarters this building is considered to have considerable significance.

Present overall rating – Considerable

Potential rating – Considerable

Considerable	Weatherboards, original window & door joinery, original timber floors.
Some	Original painted T&G linings, trim.
Not relevant	Other internal linings, early partitions,
Intrusive	Roofing, later joinery, deck & verandah, later partitions.
	Plastic spouting.

BUILDING 3 – CARETAKER'S DWELLING (FORMERLY OFFICERS' MESS)

Description	
Exterior	
Roof	Corrugated steel roof
Walls	Concrete
Joinery	Timber casement sashes.
Interior	
Ceilings	Softboard/plasterboard
Walls	Plasterboard, hardboard to bathroom area.
Floors	Concrete
Joinery	Ply faced doors
Trim	Timber
Features	Fireplace
Modifications	
Exterior	
<ul style="list-style-type: none"> • Porch to north elevation partly infilled. • Porch added to south elevation. • Roof replaced. • Spouting replaced with plastic. 	
Interior	
<ul style="list-style-type: none"> • Some wall/ceiling linings changed. • Shower toilet not original. • Kitchen bench, pantry installed. • Some finishing trim changed. • Plaster fire surround possibly not original. 	

Condition	
Exterior	
Roof:	Good condition.
Walls	Walls in good condition.
Joinery:	Paintwork flaking.
Interior	
Ceiling:	All surfaces generally in good condition.
Walls:	
Floor:	
Trim:	
Joinery:	
Assessment of Significance	
<p>Building 3 is unusual with its concrete floor and wall construction. The exterior is essentially in its original form, with only minor alterations. Some relatively minor modifications have been made to the interior. As the former officers' mess, it has considerable significance. There is potential in the future for a recovery of significance.</p> <p>Present overall rating – Considerable</p> <p>Potential rating – Considerable</p>	
Considerable	Original concrete walls, timber window joinery, original internal doors, trim, fireplace.
Some	Chimney, concrete floors, softboard ceiling linings.
Not relevant	Roofing, later internal linings, bathroom and kitchen fixtures & fittings.
Intrusive	Later porch to south elevation, infills to north elevation, plastic spouting.

BUILDING 12 -15 – KITCHEN, DINING HALL (FORMERLY WASHUP, COOKHOUSE, COALSTORE, VEGETABLE STORE)

Description	
Exterior	
Roof	Corrugated steel roof
Walls	Weatherboards over timber frame. Timber baseboards.
Joinery	Timber casements, aluminium sliding doors.
Interior	
Roof framing	Timber sarking, purlins on timber trusses.
Ceilings	Plastic faced hardboard in kitchen.
Walls	Tongue and groove linings/hardboard/softboard.
Floors	Concrete/particle board.
Trim	Timber.
Modifications	
<p>The building has been extensively altered over the years. The original drawings describe it as an emergency mobilisation kitchen and the building comprised a kitchen space, off which opened a butchery, a vegetable preparation area, a dry store and what may have been an area in which a refrigerator was located. A lean-to was constructed to the northwest of the kitchen and appears to have contained a basin and a sink. A plan dated 1941 shows an engine room behind the kitchen and behind this again, a coal store. The lean-to may have been extended. An undated but slightly later plan shows an addition to the northeast of the original kitchen. A vegetable locker has been added to the back of the coal store.</p> <p>Further changes have occurred to the building. While some of these undoubtedly occurred when the camp became the outdoor education centre, other changes may have been earlier. Changes known to have taken place include the removal of the northeast wall of the original kitchen (possibly when the addition to the side took place), the removal of the internal partitions from the original kitchen, the infilling of the space between the original kitchen and the coal store (the present kitchen) and the removal of the original lean-to. A concrete floor was poured over the original timber floor.</p> <p>Changes that appear recent include the installation of aluminium sliding doors in the northwest elevation, the construction of a deck along the same side the relining of the present kitchen (formerly the coal store) and the installation of a cool store in what was the vegetable locker. In recent times, a shelter for washing up has been added to the northeast side of the kitchen.</p>	

Exterior	
<ul style="list-style-type: none">• Roof replaced.• Spouting replaced with plastic.• Deck and steps added to northwest elevation.• Aluminium joinery added to northwest elevation.• Sash missing from window in northwest wall.• Area between old kitchen and coal store infilled.• Wash up area added to northeast face.• Louvre windows added to kitchen area.• Gas water heaters added to exterior of building.• Fan added to exterior wall.	
Interior	
<ul style="list-style-type: none">• Kitchen. Area relined, fittings added, opening added in northwest wall.• Cool store, freezer area. Area relined, cool room installed.• Dining area. Hardboard wall linings added.• Concrete slab added over original timber floors.	
Condition	
Exterior	
Roof:	Good condition.
Walls	Generally good condition.
Joinery:	Sash missing, northwest wall.
Interior	
Ceiling:	All surfaces generally in reasonable condition.
Walls:	
Floor:	
Trim:	
Joinery:	
Assessment of Significance	
<p>The exterior of the kitchen building has been extensively added to and modified over the years. Some of the changes, notably the aluminium joinery detract from the original building. Changes have also occurred to the interior as areas have been relined and fittings have been added. In the dining area, the exposed roof trusses can still be readily seen. In its present form it has some significance. There is potential in the future for a recovery of significance.</p> <p>Present overall rating – Some</p> <p>Potential rating – Considerable</p>	
Considerable	Original timber window joinery. Weatherboards, original facings & trim. Original timber trusses, roof sarking. Original internal T & G linings.
Some	Other original internal linings.
Not relevant	Roofing, timber deck & steps, washing up area Later timber joinery, internal linings, kitchen fittings.
Intrusive	Plastic spouting, aluminium joinery.

BUILDING 16 – OLD ABLUTION BLOCK (FORMERY SHOWERS, TOILETS)

Description	
Exterior	
Roof	Corrugated steel roof.
Walls	Concrete.
Joinery	Timber casements. Tongue & groove sheathed doors.
Interior	
Roof framing	Timber rafters, purlins.
Ceilings	N/A.
Walls	Concrete.
Floors	Concrete.
Modifications	
Exterior	
<ul style="list-style-type: none"> • Wall above urinal extended. • Some doors to toilet area removed and replaced with ply sheathing. • Roof replaced, spouting replaced with plastic. • Plastic services added. 	
Interior	
<ul style="list-style-type: none"> • Partitions to showers & toilets removed. 	
Condition	
Exterior	
Roof:	Roof in reasonable condition.
Spouting:	Weeds growing in spouting.
Walls:	Hole broken through wall, southeast elevation for service pipes.
Joinery:	One window sash missing. Paintwork flaking from joinery.
Interior	
All surfaces:	Generally reasonable condition.

Assessment of Significance

The ablution block is no longer in use. Some modifications have occurred. It has some significance as part of the overall Administration Bay complex.

Present overall rating – Some

Potential rating – Some

Considerable	Original concrete walls
Some	Window & door joinery, concrete floor.
Not relevant	Roofing.
Intrusive	Plywood partitions to former toilets, plastic spouting, services.

BUILDING 17 – GYMNASIUM (FORMERLY RECREATION HALL)

Description	
Exterior	
Roof	Corrugated steel roof
Walls	Weatherboards over timber frame. Fibre-cement sheathing to northwest wall.
Joinery	Fibre-cement base. Timber casements
Interior	
Roof framing	Timber sarking, purlins on timber trusses.
Ceilings	N/A
Walls	Particleboard to lower section.
Floors	Particleboard over original tongue & groove.
Trim	Timber.
Modifications	
Exterior	<ul style="list-style-type: none"> • Roof replaced. • Spouting replaced with plastic. • Canopy, steps, ramp added to southwest elevation. • Doors to southwest elevation probably original but resheathed. • External timber framing added to southeast elevation to support interior climbing frame. • Door nearest east corner of northeast elevation probably original but hinges changed. • Second door added on northeast elevation. • Northwest wall resheathed with fibre-cement. • External timber framing added to northwest elevation to support basketball hoop. • Fibre-cement base sheathing added.
Interior	<ul style="list-style-type: none"> • Floor overlaid with particleboard. • Particleboard added to lower section of walls. • Lining to upper section of walls possibly not original. • Basketball hoops, climbing wall added.

Condition	
Exterior	
Roof:	Good condition.
Walls	Generally good condition.
Joinery:	Sash missing, northeast wall.
Interior	
Ceiling:	All surfaces generally in good condition.
Walls:	
Floor:	
Trim:	
Joinery:	
Assessment of Significance	
The exterior of building 17 is generally in its original form, although the steps and canopy have been added to the southwest elevation and the northwest elevation has been resheathed. Changes have occurred to the interior as original linings have been overlaid with particleboard. The original construction with the exposed roof trusses can still be readily seen. As the former recreational hall it has considerable significance. There is potential in the future for a recovery of significance.	
Present overall rating – Considerable	
Potential rating – Considerable	
Considerable	Original timber window joinery, original doors. Weatherboards, vent in end wall, original facings & trim. Original timber trusses, roof sarking.
Some	Original internal linings.
Not relevant	Roofing, timber steps, ramp and landing. Later internal linings, gymnastic equipment.
Intrusive	Fire hose reel, plastic spouting.

BUILDING 18 – TEACHER'S DWELLING (FORMELY HOSPITAL)

Description	
Exterior	
Roof	Corrugated steel roof
Walls	Concrete (original section) Fibre-cement (addition)
Joinery	Timber casements
Interior	
Ceilings	Softboard (original section)
Walls	Softboard (original section) Hardboard (bathroom)
Floors	Concrete (original section) Timber (extensions)
Joinery	Ply faced doors
Trim	Timber
Modifications	
Exterior	<ul style="list-style-type: none"> • Canopy added to south elevation. • Early lean-to added to east elevation. Later extended. • Living room and deck added to north elevation. • Roof replaced. • Spouting replaced with plastic.
Interior	<ul style="list-style-type: none"> • Kitchen installed. • Opening added through to new living room. • Door to bedroom probably not original. • Switchboard added.

Condition	
Exterior	
Roof:	Good condition.
Walls	Rust stains by living room extension. Elsewhere walls in good condition.
Joinery:	Paintwork flaking.
Interior	
Ceiling:	All surfaces generally in good condition.
Walls:	
Floor:	
Trim:	
Joinery:	
Assessment of Significance Building 18 is unusual with its concrete floor and wall construction. The original form of the exterior can still be readily seen, despite various additions. Some relatively minor modifications have been made to the interior. As the former hospital, it has considerable significance. There is potential in the future for a recovery of significance. Present overall rating – Considerable Potential rating – Considerable	
Considerable	Original concrete walls, timber window joinery, original internal doors, trim. Concrete floors, softboard ceilings & wall linings, earlier lean-to. Roofing, later canopy to south elevation, later internal fixtures & fittings. Later additions, deck, plastic spouting.
Some	
Not relevant	
Intrusive	

BUILDING 21 – TRACTOR SHED (FORMERLY CARPENTER, POWER STATION)

Description	
Exterior	
Roof	Corrugated steel roof
Walls	Weatherboards on timber framing.
Joinery	Timber casements
Interior	
Roof framing	Timber rafters
Ceilings	N/A
Walls	N/A
Floors	Concrete
Modifications	
Exterior	
<ul style="list-style-type: none"> • Windows in west wall nearest north wall possibly reused from elsewhere (sashes upside down). • North wall reframed. • Some weatherboards to east wall replaced. • Door in west wall not original. • Spouting replaced with plastic. 	
Condition	
Exterior	
Roof:	Some rust evident in underside of sheets. Roof partly lifted and barge flashing at south end loose.
Walls:	Extensive decay and borer in weatherboards. Walls bowed, particularly east wall.
Joinery:	Paint flaking to window joinery. Door in west wall extensively decayed. Rust stains by living room extension. Elsewhere walls in good condition. Paintwork flaking.
Interior	
Roof & wall framing:	Extensive borer in rafters & one rafter split Rafters and top plates separating.

Assessment of Significance

The tractor shed was formerly the carpenter's shop and power station. It is a simple building with a shallow pitched roof and weatherboard walls. It has some significance as part of the overall Administration Bay complex. It is in poor condition.

Present overall rating – Some

Potential rating – Some

Some	Roofing, original weatherboard walls, timber window joinery, trim.
Not relevant	Garage door, door in west wall, reused windows.
Intrusive	Plastic spouting.

BUILDING 22 – GENERATOR SHED/PROPAGATION UNIT (FORMERLY MOTOR TRANSPORT WORKSHOP)

Description	
Exterior	
Roof	Corrugated steel roof
Walls	Concrete (original section)
Joinery	Timber casements
Interior	
Roof framing	Timber rafters, purlins.
Ceilings	N/A
Walls	Later timber framed wall
Floors	Concrete
Modifications	
Exterior	
<ul style="list-style-type: none"> • Original opening infilled, northeast wall. Door with louvre, porch added. • Glass from windows, southeast wall, removed, replaced with wire netting. Flue extended through window. • Door to southwest elevation changed. • Propagating shed, store added, northwest elevation. • Roof replaced, spouting replaced with plastic. 	
Interior	
<ul style="list-style-type: none"> • Timber wall added to partition off drying room, lined with fireproof board in generator room. • Ceiling added in drying room. • Switchboards added in generator room. 	
Condition	
Exterior	
Roof, walls:	Roof & walls in reasonable condition.
Joinery:	Sashes damaged when glass removed and wire netting installed.
Services:	Rusting cast iron pipe at east corner.
Interior	
Roof framing:	Generally good condition.
Interior linings:	Good condition.

Assessment of Significance

Although the generator shed's original form can be seen, it has been extensively modified by additions and other changes. It has some significance as part of the overall Administration Bay complex.

Present overall rating – Some

Potential rating – Some

Considerable	Original concrete walls.
Some	Original timber window joinery (modified).
Not relevant	Roofing, door in southwest elevation, porch & door to northeast elevation.
Intrusive	Plastic spouting, flue from generator.

BUILDING 23 – WORKSHOP & FLAT (FORMERLY QUARTERMASTER STORE)

Description	
Exterior	
Roof	Corrugated steel roof.
Walls	Concrete.
Joinery	Timber casements. Tongue & groove sheathed doors.
Interior	
Ceilings	Softboard
Walls	Hardboard on later timber framed wall
Floors	Timber tongue & groove
Modifications	
Exterior	<ul style="list-style-type: none"> • Louvre window added to northwest elevation. • Louvres added to toilet windows, southeast elevation. • Canopy over doors, southeast elevation probably added. • Gas cylinder housing, plastic pipework added, southeast elevation. • Roof replaced, spouting replaced with plastic.
Interior	<ul style="list-style-type: none"> • Timber wall added to partition off staff area. Toilet, shower facilities added.
Condition	
Exterior	
Roof, walls:	Roof & walls in reasonable condition.
Joinery:	Glazing bar missing from one window.
Interior	
All surfaces:	Generally good condition.
Assessment of Significance	
<p>The exterior form of the workshop is generally original with only minor modifications having been carried out. The interior has been modified to provide staff facilities. As the former quartermaster store, it has considerable significance.</p> <p>Present overall rating – Considerable</p> <p>Potential rating – Considerable</p>	
Considerable	Original concrete walls, window & door joinery, timber floors.
Some	Original softboard internal linings.
Not relevant	Roofing, canopy to northeast elevation, later partitions, facilities.
Intrusive	Plastic spouting, services, gas housing.

BUILDING 24 – STUDY CENTRE (FORMERLY SERGEANTS' QUARTERS)

Description	
Exterior	
Roof	Corrugated steel roof.
Walls	Weatherboards, timber baseboards.
Joinery	Timber doors & casement windows.
Interior	
Roof structure	Timber sarking , purlins on timber trusses.
Ceilings	N/A
Walls	Plasterboard above T&G timber dado.
Floors	Timber tongue & groove
Modifications	
Exterior	<ul style="list-style-type: none"> • Door off porch at northeast end infilled. • Porch infilled, northwest elevation. • Chimney removed, southeast elevation. • Roof replaced, spouting replaced with plastic.
Interior	<ul style="list-style-type: none"> • Partition seating added for AV theatre. • Displays added. • Later partitions, doors added in cooks' quarters. • Shower, toilet facilities added.
Condition	
Exterior	
Roof, walls:	Roof & walls in reasonable condition.
Joinery:	Joinery in reasonable condition.
Interior	
All surfaces:	Generally good condition.

Assessment of Significance

The exterior form of the building is generally original with only minor modifications having been carried out, notably the removal of the chimney. The interior has been modified to provide staff facilities and the AV theatre. As the former sergeant's quarters, it has considerable significance.

Present overall rating – Considerable

Potential rating – Considerable

Considerable

Weatherboards & original exterior trim.

Original window & door joinery.

Timber floors, timber trusses, roof sarking.

Original interior T&G dado, trim.

Some

Other original internal linings.

Not relevant

Roofing, later partitions, facilities, seating in AV room.

Intrusive

Plastic spouting.

BUILDING 25 – DISCOVERY, OFFICE (FORMERLY MEN'S QUARTERS)

Description	
Exterior	
Roof	Corrugated steel roof.
Walls	Weatherboards, timber baseboards.
Joinery	Timber doors & casement windows.
Interior	
Roof structure	Timber sarking, purlins on timber trusses.
Ceilings	N/A
Walls	Plasterboard above T&G timber dado.
Floors	Timber tongue & groove
Modifications	
Exterior	
<ul style="list-style-type: none"> • Some doors changed (now have plain panels). • Some windows, doors possibly repositioned. • Fire hose reel added • Roof replaced, spouting replaced with plastic. 	
Interior	
<ul style="list-style-type: none"> • Store at southwest end partitioned off. • Partitions added in office area. • Resource room at northeast end partitioned off. • Bench fittings added in resource room. • Sprinkler pipes added. 	
Condition	
Exterior	
Roof, walls:	Roof & walls in reasonable condition.
Joinery:	Joinery in reasonable condition.
Interior	
All surfaces:	Generally good condition.

Assessment of Significance

The exterior form of the building is generally original with only minor modifications having been carried out, including the replacement of some doors and the possible repositioning of some joinery. The interior has been modified with additional walls and fittings. As the former men's quarters, it has considerable significance.

Present overall rating – Considerable

Potential rating – Considerable

Considerable	Weatherboards, grilles in gable ends, exterior trim.
	Original window & door joinery,
	Timber floors, timber trusses, roof sarking.
	T&G dado in store area with original varnish finish, other original painted
	T&G dado, trim.
Some	Other original internal linings.
Not relevant	Roofing, later doors, partitions, bench fittings, sprinkler pipes.
Intrusive	Plastic spouting, fire hose reel.

BUILDING 26 – DORMITORY 4 (FORMERLY MEN'S QUARTERS)

Description	
Exterior	
Roof	Corrugated steel roof.
Walls	Weatherboards, timber baseboards.
Joinery	Timber doors & casement windows.
Interior	
Roof structure	Timber sarking, purlins on timber trusses.
Ceilings	N/A
Walls	Plasterboard above T&G timber dado.
Floors	Timber tongue & groove
Modifications	
Exterior	<ul style="list-style-type: none"> • 2 sets of doors to southeast elevation replaced. • Fire hose reel added • Roof replaced, spouting replaced with plastic. • Window spacing varies, possibly indicative of changes. • Exterior sprinklers added.
Interior	<ul style="list-style-type: none"> • Partitions added in central section (some possibly from military days). • Sprinkler pipes added.
Condition	
Exterior	
Roof	Roof in reasonable condition.
Walls:	Some paintwork flaking. Some baseboards loose.
Joinery:	Joinery in reasonable condition.
Interior	
All surfaces:	Generally good condition.

Assessment of Significance

The exterior form of the building is generally original with only minor modifications having been carried out, including the replacement of some doors and the possible repositioning of some joinery. The interior has been modified with the insertion of additional walls. As the former men's quarters, it has considerable significance.

Present overall rating – Considerable

Potential rating – Considerable

Considerable	Weatherboards, grilles in gable ends, exterior trim.
	Original window & door joinery
	Timber floors, timber trusses, roof sarking.
	Painted T&G dado, trim
Some	Other original internal linings, early partitions.
Not relevant	Roofing, later doors, later partitions, interior sprinkler pipes.
Intrusive	Plastic spouting, fire hose reel, exterior sprinkler pipes.

BUILDING 27 – DORMITORY 3 (FORMERLY MEN'S QUARTERS)

Description	
Exterior	
Roof	Corrugated steel roof.
Walls	Weatherboards, timber baseboards.
Joinery	Timber doors & casement windows.
Interior	
Roof structure	Timber sarking, purlins on timber trusses.
Ceilings	N/A
Walls	Plasterboard above T&G timber dado.
Floors	Timber tongue & groove
Modifications	
Exterior	<ul style="list-style-type: none"> • Door positions at each end probably not original. • Doors not original. • Fire hose reel added. • Doorway to southeast elevation infilled and window added. • Roof replaced, spouting replaced with plastic. • Window spacing varies, possibly indicative of changes.
Interior	<ul style="list-style-type: none"> • Partitions added in central section (some possibly from military days). • Sprinkler pipes added.
Condition	
Exterior	
Roof	Roof in reasonable condition.
Walls:	Some paintwork flaking. Some baseboards loose.
Joinery:	Joinery in reasonable condition.
Interior	
All surfaces:	Generally good condition.

Assessment of Significance

The exterior form of the building is generally original with only minor modifications having been carried out, including the replacement of some doors and likely repositioning of some joinery. The interior has been modified with the insertion of additional walls. As the former men's quarters, it has considerable significance.

Present overall rating – Considerable

Potential rating – Considerable

Considerable	Weatherboards, grilles in gable ends, exterior trim.
	Original window & door joinery.
	Timber floors, timber trusses, roof sarking.
	Original painted T&G dado, trim.
Some	Other original internal linings, early partitions.
Not relevant	Roofing, later doors, later partitions, sprinkler pipes.
Intrusive	Plastic spouting, fire hose reel.

BUILDING 28 – DORMITORY 2 (FORMERLY MEN'S & WACs' QUARTERS)

Description	
Exterior	
Roof	Corrugated steel roof.
Walls	Weatherboards, timber baseboards.
Joinery	Timber doors & casement windows.
Interior	
Roof structure	Timber sarking, purlins on timber trusses.
Ceilings	N/A
Walls	Plasterboard above T&G timber dado.
Floors	Timber tongue & groove
Modifications	
Exterior	
<ul style="list-style-type: none"> • Door on southeast wall infilled, (Door on northwest wall remains – differs from buildings 26, 27, but possibly original configuration). • Door locations at each end probably not original. • Doors not original. • Fire hose reel added. • Window spacing varies along walls and between sides, possibly indicative of changes. • Roof replaced, spouting replaced with plastic. 	
Interior	
<ul style="list-style-type: none"> • Partitions added in central section. Layout varies from buildings 26 & 27. • Some partitions removed. • Sprinkler pipes added. 	
Condition	
Exterior	
Roof	Roof in reasonable condition.
Walls:	Some paintwork flaking. Some baseboards loose.
Joinery:	Joinery in reasonable condition.
Interior	
All surfaces:	Generally good condition.

Assessment of Significance

The exterior form of the building is generally original with only minor modifications having been carried out, including the replacement of some doors and the likely repositioning of some joinery. The interior has been modified with the insertion of additional walls. As the former men's and WAC's quarters, it has considerable significance.

Present overall rating – Considerable

Potential rating – Considerable

Considerable	Weatherboards, grilles in gable ends, exterior trim. Original window & door joinery. Timber floors, timber trusses, roof sarking. Original painted T & G dado, trim.
Some	Other original internal linings, early partitions.
Not relevant	Roofing, later doors, later partitions, sprinkler pipes.
Intrusive	Plastic spouting, fire hose reel.

BUILDING 29 – DORMITORY 1 (FORMERLY DORMITORY)

Description	
Exterior	
Roof	Corrugated steel roof.
Walls	Weatherboards, timber baseboards.
Joinery	Timber doors & casement windows.
Interior	
Roof structure	Timber sarking, purlins on timber trusses.
Ceilings	T&G in central section.
Walls	Plasterboard above T&G timber dado.
Floors	Timber tongue & groove. Concrete in central section.
Modifications	
Exterior	<ul style="list-style-type: none"> • Door added in southeast wall. • Earlier doors in southwest end infilled. • Doors added in northeast end. • Fire hose reel added. • Some windows on northwest wall differ (different heights, 2 fanlights above casements as against single fanlight elsewhere, also 2 windows adjacent each other). • Roof replaced, spouting replaced with plastic. • Ramp added at northeast end.
Interior	<ul style="list-style-type: none"> • Additional partitions added at southwest end. • Additional partitions also in central section. • Sprinkler pipes added.
Condition	
Exterior	
Roof	Roof in reasonable condition.
Walls:	Some paintwork flaking.
Joinery:	Joinery in reasonable condition.
Interior	
All surfaces:	Generally good condition.

Assessment of Significance

The exterior form of the building is generally original with only minor modifications having been carried out, including the replacement of some doors and the likely repositioning or replacement of some joinery. The interior has been modified with the insertion of additional walls. As a former dormitory, it has considerable significance.

Present overall rating – Considerable

Potential rating – Considerable

Considerable	Weatherboards, grilles in gable ends, exterior trim. Original window & door joinery. Timber floors, timber trusses, roof sarking. Original T & G dado, trim.
Some	Other original internal linings, early partitions.
Not relevant	Roofing, later doors, later partitions, sprinkler pipes.
Intrusive	Plastic spouting, fire hose reel.