Contents

1 Introduction .............................................. 1

2 Brief history of the site ................................. 2
   2.1 Pre-1794 defence of the bays .......................... 2
   2.2 Archirondel Tower and Battery and the Harbour of Refuge ...... 3
   2.3 Late nineteenth century decline and the German Occupation .... 4

3 Overview of the key surviving elements .......... 5

4 Statement of significance .............................. 7
   4.1 Archaeological significance ......................... 7
   4.2 Historical and architectural significance .......... 7
   4.3 Ecological and landscape significance ............ 8
   4.4 Cultural significance ................................ 8

5 Identification of major conservation issues ...... 8

6 Statutory and policy framework ...................... 9
   6.1 International Conventions ............................ 9
   6.2 The Island Planning (Jersey) Law, 1964 (as amended) .......... 10
   6.3 The Jersey Island Plan 2002 .......................... 10
   6.4 Supplementary planning guidance .................. 11
   6.5 Building Byelaws .................................... 11
   6.6 Conservation of Wildlife (Jersey) Law 2000 .......... 11
   6.7 Health and Safety at Work (Jersey) Law, 1989 .......... 11
   6.8 Other relevant guidance ............................. 11

7 Conservation policies ................................ 12
   7.1 Conservation philosophy ............................ 12
1. Introduction

The Jersey Heritage Trust prepared this conservation statement for Archirondel Tower in consultation with the Conservation Advisory Group in February-May 2006. The primary purpose of the statement is to draw together readily available existing information, to set down a chronology for the site, an overview of the key surviving elements, a statement of significance, the identification of major conservation issues and a set of outline policies. It also identifies key gaps in our knowledge of the site and the issues affecting it. The conservation statement is subject to further review and refinement.
2 Brief history of the site


2.1 Pre-1794 defence of the bays

- A Survey of the Bays of Arch Hirondelle, St Catherines and Belval showing the Works proposed to be erected for their Defence, 1762 (see appendix A.i)

- The international environment, which made the Tower at Archirondel necessary, is outlined in Brown A & Lane B, *War in the American Colonies in 1775 made Britain vulnerable at home, her army and navy being tied down across the Atlantic. British forces were overstretched. France and Spain took advantage forming an alliance hoping to force Britain to terms that would restore French losses in earlier colonial conflict*.

- Sir Henry Seymour Conway was appointed Governor and Captain General in 1772 and first visited Jersey in May 1778.

- Royal Jersey Militia notes entitled 'Hints on state & Fortifications of the Bays and Landing Places in Jersey, June 1778' recommends placing three towers at St Catherine's Bay including "1 on the rocks towards the south which also commands Arche Hirondelle" (see appendix A.ii)

- General Conway submitted his proposal to build a series of coastal defence towers to Lord Weymouth on 20 May 1778 (see appendix A.iii)

- On 5 July 1778 Conway obtained approval and funding from King George III for an ambitious programme of constructing thirty towers to deter a French invasion attempt. "Using his wide knowledge of military matters and skill in geometry and fortification design, he developed a bold and innovative defensive strategy" (Brown A & Lane B)

- The Duke of Richmond Map of Jersey (surveyed from 1787, published 1795) shows the Bay of Arch hironaille before the commencement of building works (see appendix A.iv)

- "Defence of the east coast of Jersey had to this time been vested almost entirely in the Militia whose artillery had prepared gun positions or ‘platforms’ covering all landing places. The concept of the Towers was to provide strong points from which infantry men were able to maintain a continual presence and a concentrated musket fire from protection sufficient to prevent any landing force from securing a firm beach head, before the Militia regiments and their artillery could respond to the threat." (Société Jersiaise History Section)
• Minutes of Defence Committee, 26 October 1787 consider stone and wood Gun platforms in need of repair including those in St Catherine’s bay (see appendix A.v)

2.2 Archirondel Tower and Battery and the Harbour of Refuge

• Archirondel Tower was built on an offshore rocky outcrop called La Roche Rondel. Construction work began on 17 November 1792 and was completed by 1794 at a cost of £4,000. A year later, once professional soldiers of the Artillery and Engineers were introduced into the garrison, it was decided to build a permanent masonry gun platform around the base of the tower, the prototype for later work at La Rocco Tower in St Ouen’s Bay. It was this element which kept Archirondel Tower as a significant defensive work long after the other Towers became redundant — remaining effective into the 1860s with the concept of the ‘Harbour of Refuge’ in St Catherine’s Bay (see appendix A.vi).

• Letter from Lt Col. English lists for Major General Gordon works which have been carried out by the Ordnance, 7 June 1797 (see appendix A.vii)

• A report on the different batteries in the Island dated 28 August 1797 records that Archirondelle Tower and Battery is in good repair with four 18-pounders on traversing platforms under the charge of Ordnance (see appendix A.viii)

• J Mills Map, 1800 indicates ranges and fields of fire for coastal forts and batteries (see appendix A.ix)

• General Don’s Report on the Island of Jersey, 1806. Written soon after his appointment as Lt Governor, General Don comments on the threat of invasion from France and the need for greater coastal defences (see appendix A.x)

• General Orders for Troops of the Line and the Militia, 1811 instructions to St Martin’s Regiment (see appendix A.xi)

• Map of Jersey, engraved by S Neele from a survey to illustrate William Plee’s Account of Jersey, 1817 shows Archirondel Tower on an islet (see appendix A.xii)

• Print of St Catherine’s Bay, Jersey by J T Satterley, circa 1840 shows Archirondel Tower detached from the shore (see appendix A.xiii)

• Major General Cardew’s Report on points to be occupied, 22 March 1847 recommends that the existing tower battery be modified “as may
be advisable after the line of the Breakwater is defined’ (see appendix A.xiv)

- The Hugh Godfray Map of Jersey, 1849 shows Archirondelle Tower now accessible via the partially built southern arm of the harbour of refuge planned for St Catherine’s (see appendix A.xv)

- Harbours of Refuge Report, 1849 (see appendix A.xvi)

- Print of St Catherine’s Bay, from the Pier by J Harwood, 3 April 1855 (see appendix A.xvii)

- A handwritten book about Jersey’s coastal fortifications, written anonymously in 1857, includes a plan of the defences in St Catherine’s Bay. It lists the defences during the ‘last war’ and observes that the two towers remain but all the batteries have since been demolished. It notes that in the event of another war, Archirondelle Tower and Battery would be garrisoned by 50 men (see appendix A.xviii)

- Memorandum by Col Le Couteur on the Defence of Jersey, 14 February 1860 – includes a water-colour panorama of St Catherine’s Bay showing Archirondel Tower still not linked to the land, and a map showing arcs and ranges of all batteries (see appendix A.xix)

- Report by Major General Douglas, 10 November 1860 addresses the continued role of Archirondel Tower and progress with St Catherine’s Harbour (see appendix A.xx)

2.3 Late nineteenth century decline and the German Occupation

- A report on the defences of the Island in 1870 by Sir John Le Couteur concludes that the Conway towers have become largely obsolete (Jersey Archive ref: A/D2/1).

- A letter from the War Office to the General Officer Commanding in Jersey, dated 30 April 1896 states, “I am to ask that you will consider and give an opinion as to whether it might not be convenient and of advantage to offer to hand over to the States the whole of the detached properties such as old detached Martello Towers and other antiquated works of Defence, which are in no sense at present, and so far as can be foreseen will never be required by the War Department for military purposes”. Enclosed with the letter is a list of properties available for disposal including Archirondel Tower (Jersey Archive ref: D/AP/AD/7/68).

- Photograph of Archirondel Tower, circa 1900 (see appendix A.xxi)

- Photograph of lane in front of tower at Archirondel by Edward Offor 1907 (see appendix A.xxii)
• Postcard of Archirondelle Tower, Jersey, circa 1910 - The 'Wyndham' Series (see appendix A.xxiii)

• The States purchased Archirondel Tower from the Crown in 1923 for £200

• Photograph of view across water to Archirondel, by Francis Foot circa 1925 shows the tower painted as a navigation marker (see appendix A.xxiv)

• Ordnance Survey Map of Jersey, 1935 shows Archirondel Tower (Red) (see appendix A.xxv)

• The German forces extensively altered the tower during the Occupation, including the removal of the original stair and replacement of floors in concrete. An opening was formed in the tower at ground level and a small extension formed within the battery. The battery was modified so that machine guns could be mounted.

• Photograph of distant view of Archirondel with St Catherine's in background by Richard Whinnerah, circa 1960 (see appendix A.xxvi)

• Evening Post article, 23 April 1966 reports the intention of Harbours and Airport Committee to let by tender Archirondel Tower (see appendix A.xxvii)

• Extract from Jersey Evening Post, 1981 regarding the excavation of the platform of the Battery at les Viviers Point (see appendix A.xxviii)

• Ordnance Survey Map of Jersey, 1981 (see appendix A.xxix)

• Photographs of Archirondel Tower 1992-2006 (see appendix A.xxx)

• Ordnance Survey Map of Jersey, 2003 (see appendix A.xxxi)

• March 2006 – Archirondel Tower is owned by the Public of the Island of Jersey under the administration of Jersey Property Holdings.

3 Overview of the key surviving elements

Archirondel Tower is built on an offshore rocky outcrop in St Catherine’s Bay - now linked to the shore by the abandoned southern arm of St Catherine’s harbour. The tower is of a modified Conway pattern with a surrounding stone battery at its base and Second World War modifications.

The tower is round and built of very regular squared and well-tooled blocks of granite with snecks of rhyolite at its base. A third of the way up the tower the proportion of rhyolite gradually increases and the upper section is constructed
entirely of rhyolite. Dressed granite is used around openings and for the cantilevers of the projecting machichalotions. Brick is also used to dress openings. The tower is 41’ 6” in height. The walls taper externally with a thickness of 6’6” at the base and 3’6” at the top.

The tower is arranged on four levels. At basement level is a brick vaulted magazine. Originally only accessible via the entrance level above, the basement can now be entered through an external doorway inserted by the German forces in the 1940s. A steel blast door and a reinforced concrete structure that extends into the battery protect this.

The 1794 entrance is raised at first floor level (originally reached by removable ladder but now by modern metal staircase). There is a heavy timber outer door behind which is a 1940s concrete doorway with steel blast door and lintel inscribed ‘1941’ with an image of a swastika. The room is separated from the upper level above by a 1940s reinforced concrete floor. There is a circuit of loopholes around the room designed for musketeers. The loopholes are larger than earlier Conway towers and are angled downward for close-range fire. Above these are some small windows. All openings are dressed with brick. There is a fireplace. Access to the upper level is now via a wooden companionway stair although originally it was via a stair set in a niche within the thickness of the external wall.

The upper level is a brick vaulted room similarly designed with a circuit of gun loopholes with small windows above. There is a fireplace. Access to the roof level is via a steel ladder within the original staircase niche.

The roof platform is supported off the brick vault below. There is a masonry parapet with cement capping and three projecting machichalotions equipped with loopholes for muskets. These are double the size of earlier machichalotions and each provides an angle of fire of 120 degrees. In the centre of the roof is a 1940s circular concrete platform. A modern concrete block cabin covers the access hatch.

Around the base of the tower is a battery. The battery is oval in plan and designed with four traversing gun platforms facing out towards the bay and sea. The encircling defensive wall is constructed of rubble masonry with dressed granite copings and granite dressings to openings. Within the platforms are gun emplacements constructed of a mixture of reinforced concrete, masonry and brick (presumably for camouflage purposes) constructed by the German occupying forces in the 1940s.

The south side of the battery is pierced by a gateway (blocked in the 1940s) with granite steps leading down to the rocky outcrop. The west side of the battery is pierced by a gateway that leads onto a partially enclosed area defended by a loopholed wall overlooking the rocky outcrop.
The key elements of the site are:

- 1794 tower
- 1795 battery
- Partially enclosed area defended by a loopholed wall
- 1940s German modifications

4. Statement of significance

4.1 Archaeological significance

There has been one artefact found at Archirondel that indicates some prehistoric human activity in the area: flint scraper (La Hougue Bie Museum ref: JERSM/A/0002 004).

4.2 Historical and architectural significance

Archirondel Tower is one of twenty-three Conway towers built between 1778 and 1801 in coastal locations where a risk of enemy landing was present. It was the 22nd tower to be built and is an evolution of the basic Conway design, uniquely incorporating new elements. It was constructed for musketry supported by ordnance mounted on the upper platform and on a surrounding battery. Only three were constructed with a gun battery at the foot of the tower (the others being Seymour Tower and La Rocco Tower).

Unusually, the tower is predominantly built of rhyolite. This is because Archirondel is relatively distant from its nearest source of granite and rhyolite was available at the nearby quarry at La Crête.

The late eighteenth century tower substantially retains its historical authenticity and completeness with the architectural integrity of the buildings in close to their original form and physical context. The tower is strategically sited in St Catherine’s Bay and can still be read in terms of its strategic defence value as originally conceived – although now linked to the unfinished harbour arm.

Archirondel Tower is important evidence illustrating the history of fortifications in Jersey and the development of defensive theory and design in the context of a changing military environment (including the perceived threat and opposing technology) extending into the 1940s.

The tower was originally designed in the age of sail as a musketry tower for delaying an infantry assault. It developed, as weapons and warfare became more sophisticated, to be of significance in defence of the proposed Harbour of Refuge against iron clad steam warships.

Archirondel is an example of “Jersey’s unique form of coastal defence tower, developed by General Conway from his knowledge of earlier Spanish examples and the theory of extended perimeter defence by means of a chain
of towers propounded by the great Marshal Saxe in *Mes Reveries*" (Brown A & Lane B).

Conway’s adaptation of Maurice Comte de Saxe’s theory emphasises the importance of the towers in the European context of tactical military architecture. “The Conway Towers are an important benchmark in the development of fortifications, both in the national and international context, as forerunners of the Martello towers of England and of other countries of the eighteenth and nineteenth century British Empire.” (Smith F M)

Archirondel Tower is of historic significance as evidence of Jersey’s allegiance to the English Crown and support of past English interests.

The setting of the tower is undamaged and its relationship to the landscape for defensive purposes – such as the direction and angle of fire for guns and views to vulnerable points – can still be read.

4.3 Ecological and landscape significance

The tower sits in a prominent position in a coastal location of high landscape value.

There is no information held by the Environment Department of any important species in Archirondel Tower, although a survey to determine if there are any bats roosting here will be carried out by the Department as soon as possible. Ecological mitigation of the works is not anticipated to be onerous. The JHT will consult with the Environment Department to ensure that the detailed programme of works conforms to sound ecological principals.

4.4 Cultural significance

The most prominent post-military use of Archirondel Tower has been as a navigation marker. The tower has also been leased to private individuals, primarily for storage purposes.

Images of the tower have appeared on numerous postcards and a 6p stamp issued by the Jersey Philatelic Bureau (Jersey Museum Collection ref: JERSM/1988/00288/000).

5. Identification of major conservation issues

The following is an assessment of the way in which the significance of Archirondel Tower could be vulnerable.

- Care must be taken to ensure that the significance of Archirondel Tower is not eroded through neglect. The tower is in an exposed coastal location and ill-maintained structures will be subject to water ingress and salt laden deposits leading to damp conditions and damage from insect and fungal infestations as well as intrusive plant growth.

- Without proper maintenance and repair of the tower and its grounds, there will be physical damage to the fabric and thereby to the significance of the tower.
• A potential problem is a lack of continuing and long-term interest in the tower and the subsequent reduction in resources to properly maintain it in years to come – especially if appropriate and successful new uses cannot be found for the site.

• Care must be taken to ensure that the significance of Archirondel Tower is not eroded through inappropriate repairs and alterations. The use of inappropriate materials or methods of alteration and repair will be damaging to the character of the tower and will contribute to further decline in the integrity of the historic fabric and structure. Good quality works are required that do not damage the integrity or durability of the historic fabric.

• A condition survey is needed to identify the range of problems throughout the tower e.g. whether there is water ingress through walls, roofs and windows, loose masonry or cementitious pointing.

• The significance of the site is potentially vulnerable to legislative and regulatory requirements that may be applied if a new use is found for it e.g. compliance with building byelaws or provision for people with special needs.

• There is a potential conflict between different types of significance at the tower, for example the requirements for repairing the structure and removing vegetation against the need to protect habitats.

6. Statutory and policy framework

6.1 International Conventions

Since 1987, the States of Jersey has been a signatory to the Convention for the Protection of the Architectural Heritage of Europe 1985 (Granada Convention). The Convention places broad obligations on member states to introduce legislative, policy and other measures to protect the architectural heritage. The States is also a signatory to the European Convention on the Protection of the Archaeological Heritage, 1992, (Valetta Convention) which imposes similar obligations in respect of the archaeological heritage.

There is also a series of multi-lateral environmental agreements for which ratification has been extended to Jersey:

• The Convention on Biological Diversity is concerned with the conservation of species and habitats.
• The Convention on the Conservation of Migratory Species of Wild Animals (Bonn Convention) aims to conserve terrestrial, marine and avian migratory species throughout their range.
• Jersey is an important migratory refuge to at least 50 species of ducks, waders, terns, gulls and geese listed in the African-Eurasian Waterbird Agreement.
• The Agreement on the Conservation of Populations of European Bats covers the conservation and management of bats.
• The Convention on the Conservation of European Wildlife and Natural Habitats (Bern Convention) aims to conserve wild flora and fauna and their natural habitats.

6.2 The Island Planning (Jersey) Law, 1964 (as amended)

• Planning Permission - will be required for change of use and for any works classed as development.

• Sites of Special Interest - under Article 11, the States of Jersey may designate as Sites of Special Interest, buildings and places of public importance by reason of special zoological, botanical, archaeological, architectural, artistic, cultural, geological, historical, scientific or traditional interest. Designation provides legal protection under Article 12 against demolition and damaging alteration and control over other intrusive actions such as metal detecting, the defacing of the site and the removal of plants and animals. This equates to the type of protection that is afforded to Scheduled Ancient Monuments in England.

Archirondel Tower is in the process of being designated as a Site of Special Interest (see appendix B). In the meantime, the Trust has agreed to treat the site as if it were already a designated Site of Special Interest. SSI Permission is therefore required before there is any physical intervention in the tower’s site and structure.

6.3 The Jersey Island Plan, 2002

The Jersey Island Plan, approved by the States in July 2002, contains policies specifically intended to offer protection for Sites of Special Interest and for archaeological resources. Policies G11 and G12 are of particular relevance. Policy G11 states, among other things, that there will be a presumption against development that would have an adverse impact on the special character of a Site of Special Interest, whilst Policy G12 makes provisions relating to the preservation, safeguarding and recording of archaeological remains, as appropriate. Policy G13 makes a presumption in favour of the preservation of the architectural and historic character and integrity of registered buildings and places. Policy TR3 presumes in favour of proposals for the development of new, or extensions to existing, tourism and cultural attractions, providing certain criteria are satisfied.

The Plan notes that Archirondel Tower lies within the ‘Zone of Outstanding Character’ (C4). This is defined as parts of the coast and countryside considered to be of national and international importance. As such the area merits the highest levels of protection.
6.4 Supplementary planning guidance

The Interim Policies for the Conservation of Historic Buildings were adopted by the Planning & Environment Committee in 1998 and will continue to provide clarification on matters relating to the built heritage until new Supplementary Planning Guidance replaces it. Interim Policy HB12 is of particular relevance and states: ‘There is a presumption in favour of the preservation of the fabric, internal structure, plan form, historic interiors and fittings, as well as the contribution to the townscape or countryside, of registered buildings that are designated as Sites of Special Interest; therefore permission will not normally be granted for the internal alteration ... of a designated SSI, or works to the exterior, if they would adversely affect its special interest or character’.

6.5 Building Bye-Laws

Some work at the tower will have to comply with Building Bye-laws as required by the law.

6.6 Conservation of Wildlife (Jersey) Law, 2000

Work to and use of the tower must be compatible with the provisions of the Wildlife Law. This Law makes provision for the protection of specified wild animals, birds and plants and their habitats, including wall lizards, and empowers the Environment Department to grant licences in respect of activities that would otherwise be prohibited.

6.7 Health and Safety at Work (Jersey) Law, 1989

Methods of repair work and the safety of staff and visitors will be subject to Health and Safety Legislation. It is a matter for property owners and those managing sites to ensure that relevant health and safety requirements are satisfied, under the provisions of the Health and Safety at Work (Jersey) Law, 1989.

6.8 Other relevant guidance

The States of Jersey and the Jersey Heritage Trust are obliged to work within Jersey law, approved local planning policy and published advice. Any works proposed for Archirondel Tower will have to comply with statutory and policy regulations outlined above.

Best current practice from other jurisdictions also provides valuable guidance. Other documents of particular value are mentioned below:

The Venice and Burra Charters. In formulating a policy for alterations it is useful to have an understanding of the internationally accepted standards for conservation. The Venice and Burra Charters are most useful and their acceptance and use in the UK makes their guidance appropriate in Jersey.
British Standard Guide to the Principles of the Conservation of Historic Buildings BS7913:1998. This is a valuable standard in that it sets out general conservation principles relating to historic buildings as well as providing definitions of terminology (see Appendix F).

7 Conservation policies

7.1 Conservation philosophy

Archirondel Tower's original military role is now defunct. Potential new educational and recreational uses makes some change inevitable but any changes must always be subject to the constraint that the significance of the tower must not be materially damaged.

7.2 Policy for recording and mitigation strategies

When any work is proposed to maintain, repair or alter Archirondel Tower, the Jersey Heritage Trust will:

- carry out a full and detailed record in drawings and photographs sufficient to show the nature of the area affected with an assessment of the impact on the historic fabric
- draw up a brief in advance of any physical investigation or excavation in accordance with the Trust’s archaeological protocol (see Appendix C)
- obtain Planning permission, Building Bye-law permission and SSI permission to undertake the works
- carry out the work in accordance with the brief and any conditions attached to the above permissions
- make a full record of the work in progress and deposit the detailed written, drawn and photographic records at the Jersey Archive, followed by appropriate publication

7.3 Policy for maintenance and repair

The priority for the Jersey Heritage Trust is to maintain the physical fabric of the tower to ensure its future survival by using traditional materials and construction methods appropriate to the site. Consideration should also be given to correcting past ‘mistakes’ that are damaging to the significance of the building.

In order to achieve this, the Trust will:

- carry out a quinquennial condition survey of the tower
- draw up an annual programme of works together with a phased maintenance schedule
• use contractors and specialists with appropriate experience of building conservation work to achieve the best possible craftsmanship and selection of materials
• carry out repairs under competent supervision and regular inspection including an archaeological watching brief if required

7.4 Policy for protecting the natural environment
When any work is proposed to maintain, repair or alter Archirondel Tower, the Jersey Heritage Trust will:
• ensure that work to and use of the tower is compatible with the provisions of the Wildlife Law
• carry out a full and detailed record in drawings and photographs sufficient to show the nature of the area affected with an assessment of the impact on the ecology
• draw up a brief in advance of any physical investigation or excavation in accordance with an ecological mitigation strategy to be agreed with the Environment Department
• obtain SSI permission and appropriate licences to undertake the works
• carry out the work in accordance with the brief and any conditions attached to the above permissions
• make a full record of the work in progress and deposit the detailed written, drawn and photographic records at the Jersey Archive, followed by appropriate publication

7.5 Policy for reconstruction and alteration
• consideration will be given to appropriate new uses for the tower to ensure that it continues to play a role in Jersey society whilst maintaining its character and significance
• reconstruction work may be justified where it is desirable for the maintenance of the structure and where it completes a damaged element; the work must be carried out harmoniously with the original whilst being, upon close inspection, distinguishable from it
• reconstruction work can only be carried out where there is evidence of the historic form of the structure through a detailed study of the building and its archaeology - reconstruction work should stop where conjecture begins
• consideration will be given to improving visitor interpretation and facilities at Archirondel Tower only if this does not involve the loss of historic fabric or damage to the character and significance of the site; any new work should be easily identifiable and of the highest quality
• all reconstruction work and alterations must adhere to the principle of 'reversibility'

• consideration will be given to improving access (physical and intellectual) to the site for all people, including those with special needs

• consideration will be given to security provision at the tower to ensure that the significance of the site is not damaged through vandalism or other intrusive activities

7.6 Policy for service provision
There is already an electrical supply to the tower via overhead cables. The Jersey Heritage Trust will ensure that:

• the survival of historic fabric and below ground archaeology will take precedence over the installation of services;

• any services are to be installed with minimum intervention with historic fabric and in routes where they are accessible for future maintenance / renewal work;

• cables and pipes are surface mounted except where they can be laid within modern floor structures or in other accessible voids or ducts.

7.7 Policy for interpretation
Consideration should be given to the dissemination of knowledge about the tower, such as the production of a multi-lingual guidebook, resource material for educational visits and a programme of events that complement the tower and contribute to the understanding of its history.

8 Summary of proposed additional research and analysis

<p>| A condition survey to identify the range of problems throughout the tower. | To be undertaken by the Jersey Heritage Trust |
| Implement a quinquennial condition survey of the tower. | To be undertaken by the Jersey Heritage Trust |
| Draw up an annual programme of works together with a phased maintenance schedule. | To be undertaken by the Jersey Heritage Trust |
| A measured survey and recording of the tower. | To be undertaken by the Jersey Heritage Trust |
| An agreed ecological mitigation strategy. | To be undertaken by the Jersey Heritage Trust |</p>
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<tr>
<th><strong>Designation as a Site of Special Interest.</strong></th>
<th>with advice from the Environment Department</th>
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9 **Implementation and review**

- The Jersey Heritage Trust has undertaken to produce a conservation statement for Archirondel Tower according to current best practice (as set out in the English Heritage guidance 'Informed Conservation' 2001).

- In order to consult with other interested parties with relevant knowledge, the Jersey Heritage Trust has set up a Conservation Advisory Group to comment on and contribute knowledge to the structure and content of the conservation statement, and thereafter to monitor proposals for change, to ensure upstream consultation with relevant bodies on change, and to advise the JHT on matters relating to the conservation of Archirondel Tower.

- The Conservation Advisory Group comprises representatives from the National Trust, the Société Jersiaise, the Channel Islands Occupation Society, the Planning and Environment Department's Historic Buildings Officer, an officer from the Environment Department and the project team from the Jersey Heritage Trust.

- The Jersey Heritage Trust Board of Trustees will formally adopt the conservation statement for Archirondel Tower.

- The conservation statement will be regularly reviewed and refined every 3 years.
10 Sources and references


Clements W H (1999) Towers of Strength, Pen and Sword Limited


Evening Post article 23 April 1966

Jersey Evening Post article, 19 June 1981


Société Jersiaise History Section: Forts & Towers Group – research of primary historical sources

Jersey Heritage Trust (Jersey Archive):

- Royal Jersey Militia Exercise book with statistics of artillery exercises and notes on the defences of Jersey - Hints on State and Fortifications of the Bays and Landing Places in Jersey, June 1778 (ref: L/F/97/M2/30)

- Duke of Richmond map of Jersey (surveyed from 1787, published 1795) (ref: D/AL/A2)

- Defence Committee Minutes, 26 October 1787 (ref: C/B/B1/1)

- General Don's Report on the Island of Jersey, 1806 (ref: L/F/95/A/2)

- General Orders for Troops of the Line and the Militia, 1811 (ref: L/F/22/L/36)

- Map of Jersey engraved by Samuel John Neele from a survey carried out to Illustrate William Plee's Account of Jersey, published in 1817 (ref: L/F/120/A/100)

- Map of Jersey by Hugh Godfray published in two sheets in 1849, after a survey by Elias Le Gros, engraved by James Welland (ref: L/F/120/A/107)
• Harbours of Refuge Report, 1849

• Handwritten book concerning the fortifications of the Royal Jersey Militia, 1857 (ref: L/F/97/M18/1)

• Memorandum by Colonel Le Couteur on the Defence of Jersey, 14 February 1860 (ref: A/D2/1)

• Report by Major General Douglas, 10 November 1860 (ref: A/D2/1)

• The ‘Wyndham’ Series postcard of Archirondelle Tower, circa 1910 (ref: L/F/08/G4/2)

• Ordnance Survey Map of Jersey, 1935 (ref: D/Z/L/8/4)

• Ordnance Survey Map of Jersey, 1981 (ref: L/F/70/A/53)

**Jersey Heritage Trust (other sources):**

• Protocol for Archaeological Work, 2005

**Société Jersiaise Library:**

• Report of the different Batteries in the Island of Jersey, showing the state of Repairs and defence they are in; the number and nature of guns mounted; and what Batteries are considered as in charge of the Ordnance; and which are under the care of the Island Militia, August 1797 (ref: M20/10)

• Public Record Office, War Office records, 1794-1796 (transcribed in GOV/28)

**Société Jersiaise Photographic Collection:**

• Archirondel Tower, circa 1900 (ref: SJPA/005658)

• Lane in front of Archirondel Tower by Edward Offor, 24 August 1907 (ref: SJPA/031730)

• View across the water to Archirondel by Francis Foot, circa 1925 (ref: SJPA/032743)

• Distant view of Archirondel by Richard Whinnerah, circa 1960 (ref: SJPA/009079)

**Société Jersiaise Art Collection:**

• Print of St Catherine’s Bay by J T Slatterley, circa 1840 (ref: SJA/0000/01900)
• Print of St Catherine’s Bay, from the Pier by J Harwood, 3 April 1855 (ref: SJA/0000/01901)

Public Records Office: (transcribed by Major M Lees 2005-6 unless otherwise stated)

• Survey of the bays of Archirondelle, St Catherine and Belval (drawn in 1762 from a survey by James Bramham in 1757) (ref: WO 78/1198)

• Letter from General Conway to Lord Weymouth, 20 May 1778 (ref: WO 46/10 – transcribed by W Davies)

• Recapitulation of works, 7 June 1797 (ref: WO 607/425)

• J Mills Map, 1800 (ref: WO 78/1757)

• Major General Cardew’s Report on points to be occupied, 22 March 1847 (ref: WO 55/815)

States of Jersey Planning and Environment Department:

• Historic Buildings Register (ref: MN0179)

• Ordnance Survey Map of Jersey, 2003

• Site of Special Interest draft designation

Statutory and policy framework references:

• Convention for the Protection of the Architectural Heritage of Europe (Granada, 3.X.1985)

• European Convention on the Protection of the Archaeological Heritage (Revised) (Valletta, 16.I.1992)

• International Charter for the Conservation and Restoration of Monuments and Sites (The Venice Charter) – 1964

• The Australia ICOMOS Charter for the Conservation of Places of Cultural Significance (The Burra Charter)

• Convention on Biological Diversity

• Convention on the Conservation of Migratory Species of Wild Animals (Bonn Convention)

• African-Eurasian Waterbird Agreement
• Agreement on the Conservation of Populations of European Bats

• Convention on the Conservation of European Wildlife and Natural Habitats (Bern Convention)

• The Island Planning (Jersey) Law, 1964 (as amended)

• The Building Bye Laws (Jersey), 2004.


• The Health and Safety at Work (Jersey) Law, 1989.

• The Jersey Island Plan, 2002.

• The Interim Policies for the Conservation of Historic Buildings, 1998 (States of Jersey Planning and Building Services Department)

Appendix A
Documents, maps and pictures
A.i

Survey of the bays and Archirondelle, St Catherine & Belval
(drawn in 1762 from a survey by James Bramham in 1757)
/Public Record Office ref: WO 78/1198/
A.ii
Royal Jersey Militia notes 'Hints on state & Fortifications of the Bays and Landing Places in Jersey, June 1778 (Jersey Archive ref: L/F/97/M2/30)

<table>
<thead>
<tr>
<th>Page 3</th>
<th>Page 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smugglers from France on which account it deserves some attention On the Eastern side towards la Rocque is a sandy shore called Havre du Haut opposite to which is an entrance for boats and the Banc du Violet near La Rocque is another larger. In this part it seems possible for a number of men to be landed at low water, &amp; in still weather at a great distance, &amp; to march up on the openings between the rocks. <strong>Grouville Bay</strong> The extent of Grouville Bay from the Point of La Rocque to Mt. Orgueil Castle is about 2½ miles the whole is uniform &amp; flat. The tides ebbing at spring tides yards from the shore [space] In nip tides [space] yards. No ship can come near this shore so as to bear on the defences.</td>
<td>Here should be a Tower &amp; Battery Also on the point near Le Havre du Haut another Tower &amp; Battery at a pointed rock on the land between there is a strong pass which should be occupied. There are also many Houses &amp; particularly two large Farms with Walls where strong posts might occasionally be made. A Tower &amp; Circular works should be erected at the point of la Rocque where an old tower stood. About 6 more Towers from hence along the shore between that and the unfinished Redoubt 1 between this and the Redoubt called the French Redoubt &amp; 1 more near the Road between that Redoubt &amp; Orgueil Castle In all 9 being in general, in all the open parts at about 400yds a part. The great unfinished Redoubt should have one angle made up as a strong square tower, which may be done for a trifle as the materials are on the spot. The stone here would also contribute very considerably to the other Towers. A Battery of 2 guns [would] quite secure it. There is a proper eminence where some works seems to have been done formerly.</td>
</tr>
</tbody>
</table>
A.iii

The following is transcribed directly from *The Coastal Towers of Jersey* by William Davies (1995), pp. 83-85, Appendix C.

**LORD WEYMOUTH’S LETTER**

From Lord Weymouth

St James’s, 13 June 1778

My Lord,

Having received a letter from General Conway now at Jersey, with a proposal for erecting Round Towers for the defence of that Island, I have the King’s Command to transmit to your Lordship the enclosed extract thereof, as far as relates to the same plan and to other particulars relative to the safety of the said island and as it appears to His Majesty that the towers, as proposed by General Conway will be the cheapest and readiest method that can be taken for protecting the Island against the landing of an enemy, if the towers can be properly placed where the shallowness of the water prevents the ships of force from coming near enough to batter the towers, it is His Majesty’s pleasure that orders be given to the Engineer at Jersey to make forthwith an estimate of the charges in erecting the thirty tower that are judged necessary, after which His Majesty’s further pleasure will be signified to your Lordship, and your Lordship will also report to me for His Majesty’s information your opinion about the further supply of cannon &c, which is mentioned by General Conway.

I am

&c &c

WEYMOUTH

Extract of a letter from General Conway to Lord Weymouth dated Jersey, 20th May, 1778, and enclosed in the above letter.

The plan I have formed for that purpose is that of erecting on the shore of the several bays, a number of Round Towers, built of masonry from 30 to 40 feet high, and at the distance of about 500 yards from each other - the bottom of these to a height of 10 or 12 feet absolutely solid, the walls above strong pierced with loop holes for musketry in two stages, & on the top, where it is proposed to place Amusettes (a sort of long wall pieces, or small cannon of 1lb calibre) a parapet of brick.
These towers, my Lord, are supported by the great authority of Marshal Saxe, who applies them on the same principle to a different purpose, that of defending the approaches to a town, but with the utmost confidence in their utility. The Amusettes annoy the enemy at a vast distance; M. Saxe says 4,000 yards. The towers defend each other; they would absolutely require large cannon to batter them, and he thinks even oblige the enemy to open trenches before them. He has himself seen a square hollow tower of much inferior force hold out two or three days, tho’ battered with large cannon at only 400 yards — to which I beg that a tower somewhat of the kind proposed gave our troops much trouble at the Savannah on Lord Albermarle’s expedition, and could not be taken till a Frigate was brought up to batter it. These towers would annoy the enemy excessively in their boats, & in our principal bays could not be battered by their ships, as the shores there are very flat.

They would make it very difficult, if not impossible for him to establish himself on shore, & joined to the other batteries and entrenchments when complete, perhaps totally so. They would give a great degree of protection and confidence to the troops disposed in the entrenchments and batteries essential to raw men particularly, or should they be driven from them, would enable them to rally & give time for the other troops to reinforce them; & would at all times be a certain security against surprises, the most dangerous of all attacks.

I have the satisfaction of being able to assure your Lordship that having communicated this plan to the Engineer, a Gentleman of knowledge & long experience in the Service, as well as to the Lieut. Governor and to many gentlemen of the land & sea service, & also to some sensible Gentlemen of the country, I have as far as I have had occasion to do so found an universal concurrence in it’s favor, & a general wish that it may be carried into immediate execution.

And I have the further satisfaction to assure your Lordship that it has the peculiar recommendation of being by much the cheapest in proportion to its utility, of any plan I can conceive possible. M. Saxe has computed that 36 of his towers which are more than twice as high & as large as those I propose would not cost more than a single bastion, & by a rough estimate made by the Engineer & two Overseers in the Island, these may cost from £100 to £150 each — should therefore 30 of them be erected, which is as many I imagine as may be immediately necessary; you see my Lord, that this would not exceed £4,000, or £4,500 & may fall short of either, perhaps not much more that £5,000.

The further expense, which I think absolutely & immediately necessary is an additional number of iron cannon for the new works already done, or which will soon be finished. The shortness of the time I have had for so large an inspection, as well as the unfinished state of the works, make it impossible for me to ascertain with precision the number that will be wanting, but as besides those wanting, additionally, many of the present are known to be defective & more I doubt will prove so. I should think that less than thirty
24-pounders and 30 twelve pounders will no way answer the demand & should there be any of the small
natures to spare they would in addition or even in lieu of the others be very acceptable & useful till the rest
could be procured.

As to the Amusettes which are either a long wall piece of 10 feet in length or a small long cannon, carrying
either ¼ pounder or 1 pounder ball, the number of them should be from 60 to 100 at lest; they would be
small expence. But in respect of this article also, should there be any difficulty, or much time required in
preparing them, I should hope either for some light 3 pounders or any other small cannon which can be
spared in their stead, or else and equal number of Cohorns, which at all events is a sort of artillery, I should
be very desirous to have here for a variety of useful purposes. They are a small light mortar & of little
expense.

These, my Lord, are the chief articles which occur to me, as of immediate necessity; the whole expense
would I imagine, not exceed five or at most six thousand pounds, & when it is considered that by means of
it, this Island might be soon put in a state of security, which I have great confidence it might, & that the
zeal of the Inhabitants, which has been indefatigable & has done so much without a farthing expense to
Governement, deserves in a particular manner its protection & assistance, & I should hope that what I now
ask will not appear unreasonable.

I beg to add that should the plan I propose for the bays be executed, I should have great hopes of being able
to make such a disposition of the small force in this island as might repel any insult offered to it, & possibly
even any regular attack, but should it be neglected or delayed, unless some other equally expeditious were
offered, I should I own have great apprehensions for its safety.

I forgot to mention one material Article which is that these Towers, having so much of their strength in
themselves, require very small numbers for their defence, which is a consideration of great moment.

Public Record Office: WO 46/10
General. Master-General, Board & C-in-C
Duke of Richmond map of Jersey (surveyed from 1787, published 1795) (Jersey Archive ref: D/AL/A2)
A.v.

Defence Committee Minutes, 26 October 1787
(Jersey Archive ref: C/B/B1/1)

1787

Oct 26 p 25-29 Present HE Henry Seymour Conway Governor & Captain of the Island of Jersey
Nicolas Messervy, Jacques Demesny Jerul, Rev Frances Valpy of St My, Rev Fr le Courtier of St Ma., Rev Fr De Pre of St H., Charles Martial, Con of St H., Jacques Pippin, Con of St R, & Jean Dumasne, Con of St P.

The Committee commenced by choosing Nicolas Messervy as President

The Committee having previously examined different Acts of the States of 1778/9, & the said M Messervy having at the request of the Committee produced the accounts which were approved on 5th Jan 1780 he had that further sums of money were due to be paid by the said M Messervy to Th Pippin Esq, Storekeeper, to Jean Dumasne Esq & Chs Duvergne Esq, Engineers, to be employed on the projects concerning the Defence of the Island.

The Committee having at the same time examined with HE with the Lt Gov the platforms around the Island which are in need of repair have agreed a list with designation of such platforms and the quantity and number of Canons which are allocated to the said platforms; ten in number need entire rebuilding and a great number of others are beyond repair which must be removed. The Committee in fulfilling the views of HE in this regard... They are authorised to speak to the States their presentation approved by HE about the measures...... From Plymouth a certain quantity of stone suitable for making the repairs required to the said platforms.

List of the platforms which need repair around the Island, made on advice by the Lt Gov:

<table>
<thead>
<tr>
<th>Name</th>
<th>Type of Platform</th>
<th>Height of Canons</th>
<th>Quantity of Canons</th>
<th>Repairable</th>
</tr>
</thead>
<tbody>
<tr>
<td>St. Helier</td>
<td>Bullet Bay</td>
<td>Stone</td>
<td>3 pair</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>24 pair</td>
<td>5</td>
</tr>
<tr>
<td>St. Lawrence</td>
<td>Six Creeks Bay</td>
<td>Wood</td>
<td>6 pair</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Bullwhip</td>
<td>Stone</td>
<td>24 pair</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Voluntary Anvil</td>
<td>Wood</td>
<td>24 pair</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Swords</td>
<td>Wood</td>
<td>2 pair</td>
<td>2</td>
</tr>
<tr>
<td>S.West</td>
<td>La Visite Beach</td>
<td>Stone</td>
<td>24 pair</td>
<td>41</td>
</tr>
<tr>
<td></td>
<td>La Vie Vecq</td>
<td>Stone</td>
<td>6 pair</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>North End Point</td>
<td>Wood</td>
<td>6 pair</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Le Grée</td>
<td>Stone</td>
<td>24 pair</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Guette</td>
<td>Stone</td>
<td>12 pair</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Treacle Charddon</td>
<td>Wood</td>
<td>6 pair</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Benham</td>
<td>Wood</td>
<td>1 pair</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Des d'Anse</td>
<td>Wood</td>
<td>2 pair</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>West Point</td>
<td>Stone</td>
<td>24 pair</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>La Motte Rasson</td>
<td>Wood</td>
<td>24 pair</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Raft Moos Bay</td>
<td>Wood</td>
<td>24 pair</td>
<td>3</td>
</tr>
<tr>
<td>W. West</td>
<td>Middle Bay</td>
<td>Stone</td>
<td>24 pair</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>North Bay</td>
<td>Stone</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>New North Bay</td>
<td>Stone</td>
<td>24 pair</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Du Pizeno's Bay</td>
<td>Wood</td>
<td>24 pair</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>'Vanguard' Bay</td>
<td>Wood</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Lez Forest</td>
<td>Stone</td>
<td>12 pair</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>La Basse Troude</td>
<td>Wood</td>
<td>24 pair</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>North</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cartmane Pedwell</td>
<td>Wood</td>
<td>36 pair</td>
<td>2</td>
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The Committee having at the same time examined with HE with the Lt Gov the platforms around the Island which are in need of repair have agreed a list with designation of such platforms and the quantity and number of Canons which are allocated to the said platforms; ten in number need entire rebuilding and a great number of others are beyond repair which must be removed. The Committee in fulfilling the views of HE in this regard... They are authorised to speak to the States their presentation approved by HE about the measures...... From Plymouth a certain quantity of stone suitable for making the repairs required to the said platforms.
make the provision of a tower at Anq Fort unnecessary.

7. From Marshal Seymour Conway to the C-in-C, dated Park Place 15/10/94. His plan for 1779 was to erect thirty two towers with batteries at all the accessible points round the coast. Twenty two were built and three more were projected along the east coast. He consents to the building of the Archipel battery but not to the scrapping of the Anq Fort tower and the one at Roxel. He regrets the slowness of the work for when he was in Jersey, 1779 Colonel Mulcaster put up four towers in one year, but now one and a half years are spent in finishing one tower.

8. 30/5/93. Colonel Craig to be ordered to build three towers. 31/5/93. All three are being built by the 2nd Life Guards.

9. From Field. 31/10/94. From the 1st Foot Guards. 600 people in Jersey are running a trade in false assignats to the detriment of the public interest.

10. From Field. 11/11/94. Part of the 2nd Foot have to be kept on transports as barrack accommodation is not ready. In three weeks housing will be ready for 5000 men - nearly all our garrison. I told you on 30th October that two transports with part of the 2nd were missing and I was not certain yet. The men already here are very sickly with fever and dysentery. The transports have been cleaned with vinegar. The 3rd and 4th here have no assignats, so I have put them under the care of His Royal Mate.

11. 12/11/94. From Le Couteur, Monsieur de Cormartin went to join de Tillot.

Monsieur Bertin here gave him 45,150 livres assignats which were to be returned by Lord Ellesmere. The latter had sent them from London, but 125 of them turned out to be forgeries.

12. From Field. 23/11/95. For the past four months d'Auvergne has had the use of Mont Orgueil to lodge boats, cases, etc.

13. From Field. Same date. One of the local guards brought in 3 French and 6 escaped English prisoners of war who had come ashore at his post. The French
Magazines together with the Ordnance in the Batteries forms also an object of my daily occupation, and I shall soon resume the Drill of the Militia, both as to Small Arms and great Guns."

I9. From Fall. 25/3/95. Will embark 2nd. Bat. 82nd. as soon as transports arrive. Again reports that the island is entirely destitute of coal. Four Masters of Vessels, who had escaped from Quimper, arrived last night. After roving about for two weeks they reached Tréguier and got a boat thence to Jersey. They report insurrections round Lamballe, Quimper, St. Briac and L'Orient. The peasants will not take corn to market because of the paper currency: 20 sou us paper = 1 specie. About a month ago the troops guarding Quimper prison were sent after the Chouans and replaced by towns guards. Desertions are reported among the sailors at Brest.

20. From Fall. 30/3/95. The transports arrived on the 28th and next day the 2nd. Bat. 82nd. embarked. Only ten men were unfit to go. Start delayed by calm.

21. From Fall. 29/4/95. The fresh food vessels are detained by orders at Plymouth and Lyme. Fall asks for permission for them to sail and requests that regular supplies be sent.

22. From Fall. 9/5/95. The following works are in progress:


b. New Battery, one 18pr. on the projecting knoll at Havre-des-Pas, with circular traversing platform and carriage.

c. Various repairs in existing batteries.

d. Do Do Do guardhouses and towers.

e. The re-establishment of an old arched guardhouse at Plemont and the erecting near it of a small powder magazine with two wrought stone platforms for 6prs.
est une des plus anciennes de son Diocese et les plus distinguées de la 
Province de Normandie, vient de perdre à Quiberon non seulement son 
digne mari qui les plus indifférents regrettent et qui jouissait d’une 
reputation meritable de valeur, de sagesse et d’honnêteté mais encore ce qu’elle craignait 
son fils ainé, mort, dit on, des blessures qu’il reçu à côté de son père. ”

(Spelling & style above as in original)

Left in her charge are five children whom she cannot afford to educate.

27, Gordon to Dundas, II/9/95. The 2nd, Bat. 29th Foot has embarked. The Som 
ersetshire Fencibles have arrived and I hope will be followed by the Dumbar 
tonshire, who have been unaccountably detained by Smith, Lt.Gov. Guernsey.

Gordon had arranged to house 5000 troops, as ordered, but the garrison is less 
than this figure. As the lease of some of the buildings expires soon, he 
awaits orders on this point. He will give up the unsuitable House first.

8. Same to same. 20/II/95. The government intends to dismount the troopers of 
Choseul’s and de Bouillé’s Hussars, now at Southampton, and send them to Jer 
sey. They are to be drafted into the infantry and taught the drill.

29, Same to same. 13/I/96. The Prince de Bouillon says that an attack is com 
ing. Gordon asks for a “moving naval force” for without one it is impossible 
to prevent an enterprising enemy from landing.

30. Same to same. 27/II/96. Forwarding a copy of C.R.E., Colonel Evellegh’s 
report. Says new Tower and Battery at Archirondelle are complete and suggest 
making a similar one at La Rocca, (four 24.9s on traversing platforms.)

At high tide this work would take enemy in flank, front and rear and, with 
the shore batteries, would produce a cross fire. At any time it could bring 
a destructive fire to bear from 12 miles from the shore and could only be 
ruined by a sustained attack of heavy artillery. Gordon thinks it would be 
impregnable.

given certain defence plans of Jersey to Dundas, who told him to call on Hus 
Kisson for a letter to the Master General of Ordnance which he would write.
Recapitulation of works, 7 June 1797
(Public Record Office ref: WO 607/425)

WO 1 607/425 Letter from CRE @ Jersey to Major General Gordon 7/6 1797

Sir

In conformity with your desire, I have the honour to lay before you a recapitulation of the several Works I have executed on His Majesty’s Ordnance and Treasury account in conformity of orders given me from the Commander in Chief for the time being:

Colonel Craig’s Orders to Captain English CRE Visc
To fit up the Royal court House with every accommodation for Troops
The absolute necessity for immediate cover for the 99th Regt induced the States to give up the Court House!
To fit up a Militia Guard House on the Court and to take down and remove another.
To reform some Towers for the reception of Cohors upon newly constructed frames & carriages
To lay a new platform for 2 x 8” Howitzers for the defence of Mont Orgueil Castle.
To complete the frames and Carriages for mounting the Cohors upon the Towers on the Coast line for an additional Defence.
To make the necessary accommodation to a Guard House in Eliz Castle & to repair the Guard House at La Crete.
To fit up two hired Quarters of great extent with all accommodations for the Troops.
To make Twelve Ammunition Boxes for Batteries on the Coast & to make Country – boxes for different posts
To renew the line of entrenchments with batteries for field Pieces in Grouville Bay.
To build a new Barrack for a Captain and two subalterns in St Owen’s Bay.
To remove the accommodations that had been prepared & Bred in the Royal Court House.
To erect Standards and Cross Poles, Bags Boxes for three signal posts.
Three Towers being Ordered for the Defence of the Bays in this Island, Colonel Craig Orders to purchase materials and employ Miners to remove by mines a portion of Rock, to procure a base to erect a Tower upon in Archirondelle Bay, Comparable to a design made and approved.
To fit out the Gahar and Wheel-boat belonging to the States for the purpose of supplying the Tower at Archirondelle with materials.
If lost by unavoidable accident to pay for them - Gahar Livres 3,000, Wheel-boat Livres 600.
To L’Escarps parts of the Cliff round Mont Orgueil Castle to render is less accessible in landing from boats, and to erect a Shed for six Horses, and accommodation for a Guard for the Jersey Royal Troop.
To fit up a Guard House in the Town of St Helier for the Jersey Royal Troop.
To complete & fix Traversing Platform and Arm Brackets at bestowed batteries.
To make step ladders for the Towers and all other necessary accommodations.
To erect a building of Timber, covered with tile, for the provisions provided by contract in Elizabeth castle.
To perform the necessary accommodation in St Aubins Fort for Officers & Men.
To re-establish the Guard-house at Roc-bourd, it having been mostly destroyed by an accidental explosion of Gun Powder.
To make conical Tri-piles for experiment to discover Objects in the Bays in case of an attack in the night.

The Master General and Board of Ordinance granted £1,000 to be expended upon such works as the Commander in Chief should direct whatever expense exceeded that sum was on the Treasury account.

The Right Honourable the Earl of Balcarras Orders to the Commanding Royal Engineer:

To purchase a Sloop and Wheel-boat for the service of the Treasury Works, for transport, of materials etc to different parts of the Coast and to fit such Vessels out and complete them for the Service.

To continue the Work at Archirondelle Bay
To complete the Guard House at Noirmont Point with necessary accommodation
To complete a Traversing platform at Grove de Lecq
To complete sundry accommodation on Grouville Bay at Fort Henry
To repair the roof of Officers & Soldiers Barracks and Main Guard house in Eliz Castle
To repair the roof of the soldiers’ Barracks in St Aubin’s Fort.
To repair sundry Towers & Guard Houses upon the Coast
To repair the Lantern room and supplying every necessary for the Signal Light on the top of Seymour Tower.
To make ranges of platform beds in the barrack rooms, for an additional number of Troops.
To prepare & erect ranges of platform beds in the different apartments for an additional number of Troops. Racks for Arms, Cooking places and other accommodation to St Owens Manor & out houses of considerable extent, hird as Quarters for the Troops.
To prepare & erect ranges of platform beds in to different apartments with other accommodation in the Parsonage House in St Brelade’s Bay, hird as Quarters for Troops.
To erect a Redoubt on the heights of Verudet near Grouville, also three Traversing platforms, ammunition Boxes etc for immediate service.
To erect a Redoubt on the height of L’Hoc with three new Traversing platforms, Ammunition boxes etc for immediate service.
To continue the repairs and the several accommodations for Troops in the hird Barracks of Hillgrove, Le Maistre, Abies, Lerries, St Helier’s cornstore, Arsenal Store, L’Ezecoc, the Stores at St Aubin etc.
To make Hospital bedsteads
To erect a building of wood for an Hospital in Grouville Bay, about 80 feet long and complete the same with all necessary accommodation without loss of time.
To perform the necessary repairs and accommodation to the Barracks in Mont Orgueil Castle.
The same to those in Elizabeth Castle
To assist in erecting large range of Tent Cover for the 88th Regiment and provide materials for the same. As soon as the new Tower is completed at Archirondelle Bay you will commence upon excavating and levelling the Rock for the foundation of a new Battery for four Twenty-four pounders at the foot of the above Tower, for the security and defence of the three bays within the headlands of Verudet and L’Crecet.

The Master General & Board of Ordinance granted £500 to be expended as the Commander in Chief should direct
<table>
<thead>
<tr>
<th>Names</th>
<th>State of Repair</th>
<th>No. of Guns</th>
<th>State No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elizabeth Castle</td>
<td>Busted in two places</td>
<td>10</td>
<td></td>
<td>Ornament</td>
</tr>
<tr>
<td>Gallery Battery</td>
<td>Repair necessary only</td>
<td>2</td>
<td></td>
<td>Ordnance</td>
</tr>
<tr>
<td>Centre Battery</td>
<td>Good</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Battery</td>
<td>Good</td>
<td>2</td>
<td></td>
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**Names**

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<tr>
<td>Unbusted in Back</td>
<td>1</td>
<td>Ordnance</td>
</tr>
</tbody>
</table>

**Remarks**

- For all Batteries: Ordnance
- Ordnance in various positions
- Ordnance in various repairs
- Ordnance in various conditions
- Ordnance in various states
- Ordnance in various locations
- Ordnance in various dates
- Ordnance in various contexts
J Mills Map, 1800
(Public Record Office ref. WO 78/1757)
Report on the Island of Jersey

From the commencement of the present war to September last the enemy’s preparations for the invasion of this country were unremittingly carried out, and although Boulogne must have been aware of the coalition forming against him on the continent in the end of 1804, yet the greatest and best effort of his Army remained cantoned on the coast of the Channel until the Russian Armies were advancing and the Austrian Armies had made a forward move. Now if under these circumstances he adhered to his plan of invasion it is not now more likely to be carried into execution, since all the Powers of Europe, Russia & Sweden excepted, are become his vassals.

The annihilation of the enemy’s Fleet must oblige him to abandon his plan of invading Ireland & confine his attacks against this country solely to the coast opposite Bologne and the Islands of Jersey & Guernsey, and as the most favourable periods of the year for such attacks are in the months of September & October, and in the months April & May, of course we have little more than three months to complete our preparations of defence.

With regard to the importance of Jersey & Guernsey I shall only observe that, if these Islands fall into the hands of the French the enemy will have effectual means of intercepting our trade in the Channel. The Harbours of St Helier, St Aubins & St Pierre are sufficiently large to contain between two and three hundred armed vessels, and from the difficulty of the navigation in the vicinity of the Islands it is impossible to blockade these ports of course even from the nocturnal salutes of the enemy’s vessels our Trade in the Channel might be greatly injured.

If once completely in possession of the enemy they cannot be recovered

There is a good harbour at St Pierre protected by the Guns of Castle Cornet

The Islands may be considered as stepping stones to an Army destined to invade England and attacks of our largest Naval armaments.

In time of War the Prussians greatly intercept the enemy’s Coasting Trade and Prevent almost any communication with St Malo.

From the vicinity of Jersey to the Coast of France the enemy will naturally endeavour to take the Island by surprise, and when it is considered that armaments can be fitted out at Cherbourg, Dielette, Carteret, Portbail, St Malo, St Aubins, St Malo & Brest, through his Etoile of 4th March last maintains his having ordered the Ports of Dielette & Carteret to be secured so as to receive a great number of armament vessels destined to attack the Islands of Jersey & Guernsey, and considerable progress has already been made at Dielette.

It is no easy matter to guard against that event.

One tide is sufficient for the passage from St Malo and Grandville, and the passage from Dielette, Carteret, Portbail, St Malo & St Germain does not require more than three hours, and unfortunately the winds and tides admit of three points of the Island being attacked at the one time.

From these circumstances the first object with the Commanding Officer at Jersey must be to guard against surprise and the second to make such arrangements as will enable him to repulse an enemy on a sudden attack.

In the American War the Island was completely surprised by General Bouicor and the Prince of Nassau entered St Ouen’s Bay with a Fleet before the Alarm Guns were fired.

In former times the Island was frequently surprised and would have been repeatedly taken had it not been for the Carriers at Guernsey and Mont Orgueil.

In Charles I’s reign an Army under the orders of Parliament took this Island.

In making the arrangements the different Arms must be allotted and disposed of according to the nature of the bays, and the other accessible parts of the Island. There are three extensive Bays in the Island: viz. Grouville on the East, St Aubin’s on the South & St Ouen’s on the West. Besides which there is a considerable Bay called St Brelade’s on the South, situated between St Aubin’s & St Ouan’s, and on the Nort & North East side of the Island there are seven small Bays or Creeks viz. Greve de Lecq, Bonne Nuit, Bouley, Roselit, Fliquet, St Catherine’s & Anneport

**Rozel Bay**
The extent of this Bay from North to South is 600 yards but the landing place does not exceed 300 yards.
For its defence there are 4 Batteries armed with 9 pieces of heavy Ordnance.
This Bay is commanded by high ground close to the beach.

**Fliequet Bay**
The landing place of this Bay is 50 yards in extent and is defended by 1 Tower armed with 1 Piece of Ordnance. This Bay is commanded by high ground close to the beach.

**St Catherine’s Bay**
The extent of this Bay from North to South is 1000 yards but the landing place at low water does not exceed 1000 yards and at high water 300 yards.
For its defence there are 2 Towers and 7 Batteries armed with 22 pieces of heavy Ordnance.
This Bay is commanded by high rocky ground close to the beach.

**Anne Port Bay**
The landing place of this Bay is 400 yards in extent and is defended by Batteries armed with 6 pieces of heavy Ordnance. This Bay is commanded by high rocky ground close to the beach.

**Island Total**
192
My Lord

I beg leave to submit to Your Lordship's consideration the enclosed report on the Island of Jersey, by the perusal of which I presume it will appear evident;

That the Island of Jersey is likely to be attacked the ensuing Autumn or Winter.

That from the intricacy of the navigation it is impossible constantly to blockade the eight ports on the French coast from Cherbourg to St Malo.

That the Island is so situated as to be liable to surprise.

That there are four deep and extensive bays in the Island affording excellent places for disembarkation of large Armies.

That the winds & tides admit of landing at three points at the same time.

That besides the above large bays there are seven small bays where troops may be disembarked.

That for the defence of these bays too much reliance appears to be placed on heavy ordnance, the effects of heavy Artillery when directed on an unimpeded moving object being trifling.

That it will be difficult to man about 200 pieces of heavy Ordnance as the marching Artillery men from bay to bay, and from Battery to Battery, according to the movement of the enemy may delay, and create some confusion.

That the best mode of defending the large bays is by combined operation of Field Artillery, Cavalry & Infantry, supported by a line of round armed Towers on the beach.

(Such as those lately built on the coast of Sussex & Kent)

That the nature of the large bays is peculiarly well adapted to the combined movement of the above mentioned Arms.

That the best mode of defending the small bays is by parties of Riflemen & detachments of Light infantry, aided & supported by round armed Towers & small Batteries.

That the best time of attacking the enemy is at the moment of disembarkation.

That the Fortress now constructing on the Town Hill is of the utmost importance.

That Military communications are wanting between St Aubin's Bay and Grouville Bay, between St Aubin's Bay & St Brelade's bay, between St Brelade's Bay & St Ouen's Bay, between St Aubin's & Bouley Bay, and a small communication along the North & North East side of the Island.

That the present Forces of the Island only consists of:

- Royal Artillery: 57 men
- Invalids: 47
- Infantry of the Line: 2338
- 1 Royal Veteran Battn: 565
- Militia: 1200

Total: 4307

With a few Military Dragoons at present employed in carrying reports.

From all of which it appears expedient (at the lowest calculation) to reinforce the Island by the following Troops:

1 Company of Royal Artillery
1 Company Invalid Artillery
5 Troops of Light Cavalry
2 Battalions of Infantry

One 3½" Howitzer & 3 x 6-pounders are wanted to complete the three Brigades of Field Artillery.

One of the Battalions should be composed of 1⁄3 Riflemen & 2⁄3 Light Infantry such as the 1st Duke of Grafton's Regiment.

Which provided the Corps are complete will make a reinforcement of 2200 men, making a total, including Militia of 6707 men, being 489 men less than the number stated in the Report. And that authority should be given to substitute in some places round Towers in stead of open Batteries & that directions should be given to hasten the construction of the Fortress on the Town Hill, and that authority should be given to open Military Communications.

PS: The importance of the Islands of Jersey & Guernsey to this Country I have mentioned in my report.
Sir

Having taken into consideration your letter addressed to us of the 29th last together with your letter & Report to Lord Spencer dated 22nd May last, on the defence of the Island of Jersey, on which Report you did us the honour of requesting our opinion, and having attentively perused and considered the same, we beg leave to state our sentiments on the subject as follows.

1st

That fortifying the small bays appear to us essentially necessary, as by requiring a less number of men for their defence a larger disposable force may be concentrated for the protection of the principal bays; and that in these bays more Towers are necessary, these already built being in many parts at too great a distance from each other.

2nd

That we perfectly agree with you that the large bays are well adapted for combined operation of Field Artillery, Cavalry & Infantry.

3rd

That we also agree with you, Sir, that the force at present in the Island is by no means adequate to its defence, the Island being assailable at so many points; and that the reinforcement you propose will be absolutely necessary.

From our local knowledge of this Island we have no hesitation in giving it as our opinion that the whole of your plan of defence ought immediately to be adopted, and we trust that when the very great loss that has within a few years past been sustained in Ships of War wrecked on our shores which were destined to lay at Guard Ships in the bay, is taken into consideration, the expense attending the fortifying the small bays, and the erection of the additional Towers proposed, will not be thought much in proportion to the object to be obtained.

We have etc W Johnstone M Genl J le Couteur Ass Qr M Genl
J Humphray Lt Col R Engineers Geo Salmon Major R Artillery

My Lord

Being desirous that your Lordship should not only rely on my judgment relative to the defence of this Island, I have submitted to the consideration of Major General Johnston, Second in Command, Lt Col le Couteur Assistant Quartermaster General, Lt Col Humphrey Commanding Engineer and Major Salmon Commanding Royal Artillery, the Report I had the honour of laying before your Lordship on the 22nd of May last, and enclose a copy of my letter to these Officers with their Answer.

These Officers having been long in this Island are well acquainted with the duties of their respective departments; I therefore conceived it would be satisfactory to His Majesty's Government, to be in possession of their ideas on so important a subject, which explains my motives for communicating my report to them.

I have now most earnestly to entreat your Lordship's attention to the Answers of these Officers, as well as the Official papers, which I have had the honor of submitting to Your Lordship's consideration, and should your Lordship differ in opinion with regard to the mode of putting this Island into a state of defence, I hope experienced officers of the different Arms may be sent from England to examine this Island and to report upon its state and defence; but in the event of Your Lordship approving of the Answer of the Officers I have consulted, and of my Report, I hope no time may be lost in reinforcing this Garrison as Conroy Rawlings has acquainted me that with one Company of Artillery, one Company of Invalid Artillery, 6 Troops of Light Cavalry, and 1600 Rank & File Infantry, the difference in the expenses of providing foreign

For Cavalry in this Island & in England is trifling.

Also that authority may be given to me to fortify the bays and to open the Communications mentioned in the papers above alluded to; and to defray the expenses of these Services, a Credit may be given on the Commissary General according to the present practice in districts in England for £3,000. This sum I propose to be drawn for only as wanted, and that the money should be lodged in the hands of the Assistant Commissary.

The bills of the Workmen paid by the Commanding Engineer, and that a regular Account supported by Vouchers, should be transmitted to the Commissary General agreeable to the Instructions given by the Lords of the Treasury to that department for similar Services at home.

This Sum will appear very trifling to Your Lordship but I am confident I shall not only receive pecuniary aid from the States of the Island, but also assistance in labour from the inhabitants.

With regard to the additional Towers proposed to be constructed in the large bays of the Island, I presume this measure must be submitted to the consideration of the Master General of the Ordnance, and I shall therefore only add that they appear to me to be indispensably necessary, and although in every particular similar to those lately built in Kent, they will not cost above £1,500 each.

As much reliance is placed on the vigilance of a Commanding General, and the Troops under his Orders, I beg leave to explain my acceptance of that word. To Vigilant my Lord the means must be given, the soldier must have three night in bed, the Guards must be stationed upon the most advantageous points, and at proper intervals, the vedettes and sentries must be posted according to the nature of the ground, the large bays must be patrolled constantly by Cavalry during the night, and in foggy weather during the day; and the small bays and Communications by parties of Infantry. Now My Lord I feel it my indispensable duty to report to Your Lordship that the present Garrison in this Island is totally inadequate to this Service, and that I am consequently liable to surprise. There are 16 small bays and landing places where not a soldier is posted & not quartered within considerable distances, & there are 13 Night Guards mounted by the Militia of the Island, composed of men who from the fatigues of their daily labour are incapable of attentive watching during the night.

I enclose for Your Lordship's information a return of the forces in this Island, by which you will perceive that there is no Cavalry, and only 54 Artillery Men for the Field Batteries, 48 Invalid Artillery Men for the Castle Towers and Batteries, 574 Men of Veteran Battalion, and 2408 Rank & File of Battalions of the Line fit for duty, and with regard to these battalions of the Line raised chiefly under the Army of the Reserve Act, and under the Defence Act. I must report to Your Lordship that they are composed of men of the worst description as soldiers, at the best men levied under these Acts having already enlisted into the 1st Battalions.

I enclose a return of the Militia battalions of this Island but cannot report to Your Lordship the state they are in, the sacrament week having prevented my seeing them. I must acquaint Your Lordship that they are not paid, and not under Military Law even in the event of an attack, and that the best militia men belonging to the Militia are almost constantly at Sea.

I have now My Lord only to assure Your Lordship that I shall use my utmost exertions for the defence of this Island.
ORDRES GÉNÉRAUX
POUR LES
Troupes de LIGNE ET LA MILICE.

JERSEY.

P. Mourant, Imprimeur
1811.
ORDRES GÉNÉRAUX

POUR LES

TROUPES DE LIGNE

ET LA

MILICE

D' AUTANT que la défense de l'île exige un arrangement préalable des troupes, qui facilite le prompt rassemblement de corps considérables, pour s'opposer à l'ennemi, & défendre les parties de l'île les plus exposées à une descente, & afin que chaque individu soit averti de son devoir en cas d'alarme et d'attaque; les ordres suivants sont donnés:

Toutes les Forces dans l'île sont partagées en Trois Distributions.

La 1ère Division ou Délivrance de l'Est, sera composée des Troupes casernées dans la baie de Grouville, avec celles qui sont postées sur la côte; depuis le Nez du Guit jusqu'à Robevert inclusivement, & des Régiments de Milice du Nord & de l'Est.

La 2ème Division ou Délivrance du Crécy, sera composée des troupes casernées dans le château Elizabeth, sur la montagne de la ville, dans les deux petits forts sur le mont du Sud; dans les casernes du Havre des Pas, dans celles de la chaussée, dans celles de De Veulle & celles dans la baie de St. Aubin, avec celles qui sont stationnées sur la côte, depuis Robevert jusqu'à la pointe de Noirmont inclusivement, & des Ba-
dans la Grève de Lécq, & pour observer la côte à droite jusqu'à la pointe de Sorel, & à gauche jusqu'à Plémont.

La Division de St. Jean-du-Régiment du N.O. sur les hauteurs de Bonne-nuit & du havre de Giffard, pour renforcer les postes dans ces baies, & aussi pour observer la côte à droite jusqu'au Bouley, & à gauche, jusqu'à Sorel.

La Division de la Trinité du Régiment du Nord, sur les hauteurs du Bouley, pour renforcer les postes de cette baie, & pour observer la côte à droite, vers le havre de Rozel, & à gauche, jusqu'au havre de Giffard.

La Division de St. Martin du Régiment du Nord, aux hauteurs, qui sont au-dessus de la baie de Ste Catherine, pour renforcer les postes entre la Coupe & Anne-Port.

Le Régiment de l'Est, au poste général d'alarme dans la baie de Grouville.

Le Bataillon de la Ville, au poste général d'alarme, entre les casernes de De Veule & les Roquettes.

Le Bataillon de St. Laurens, premièrem au Fort des Volontaires, dans la baie de St. Aubin, & ensuite au poste général d'alarme entre les Roquettes & les casernes de De Veule.

Le Régiment du Sud-Ouest, aux hauteurs derrière la batterie du Groin, dans la baie de St. Brelade, pour renforcer les postes qui pourraient être attaqués entre la pointe de Noirmont & la Corbière.

Les trois Corps de Volontaires, aux signaux d'alarme, s'assembleront d'abord dans la cour de l'Ordonnance, dans la ville de St. Helier,
Map of Jersey (engraved by Samuel Neele from a survey carried out to illustrate William Plee’s Account of Jersey, published 1817)  
(Jersey Archive ref: L/F/120/A/100)
Print of St Catherine's Bay, Jersey by J T Satterley, circa 1840
(Société Jersiaise Art Collection ref: SJA/0000/01900)
Major General Cardew’s Report on points to be occupied, 22 March 1847
(Public Record Office ref: WO 55/815)

WO 55 815  Letter from CRE to Adj Gen of Fortifications 2/10 1847

The Commanding Royal Engineer at Jersey to the Inspector General of Fortifications, transmitting in obedience to his Orders dated 24th September 1847, a short Report of all that has passed on the subject of the contemplated Harbour of Refuge, and Works of Defence proposed, together with Plans shewing the Land purchased, or to be purchased, in furtherance of the object.

Royal Engineer’s Office, Jersey

Sir Herewith I have the honor to forward, in obedience to your Orders dated 24th September 1847 a statement of the several Reports that have been made, and Correspondence that has passed on the subject of the contemplated Harbours of Refuge, and Works of Defence proposed in connection with it; also Plans shewing the Land purchased and to be purchased, explaining the localities, and intentions, and shewing by reference how far those intentions have been proceeded with.

I understand from Her Majesties Law Officers in this Island, (with whom I have put myself in communication) that the whole of the Land to be procured for the Admiralty and Ordnance, under the direction of Mr Walker, by order of the Treasury, will if possible be purchased by Christmas, when it will be regularly transferred and divided as required between the two Boards respectively.

Mr Walker is now employing a person to survey these Lands, a copy of which survey I presume when completed will be supplied to the Ordnance when arrangements can be made for the necessary division; after which the Instructions contained in the Inspector General’s Minute of 24th July 1847, and in Mr Byham’s communication of 26th July 1847 (J372), can be carried into execution.

I have not been able to ascertain from the Crown Law Officers the contents of the different pieces of Land, but I am informed by them that about 185 acres have already been purchased, and that about 60 acres remain to be purchased.

It will be seen by Plan No 1, that the frontage towards the sea embraces the whole line of Coast from Mont Orgueil Castle to Flicquet Tower, a distance of about 4,000 yards, in addition to this there is a piece of Land at the Point of La Coupe, distant from Flicquet about 340 yards; and another detached piece at Nez de Guet, distant from L’Coupe about 1,500 yards, in rear of the Land already in possession of the Ordnance there.

I herewith transmit copies of three letters, (included in the Reference to Correspondence enclosed) by which it appears that Mr Walker has given the necessary directions to the Law Officers of the Crown to purchase all the additional Land deemed necessary for the intended Works of Defence in connection with the Harbour of Refuge, which is a point I conceived of considerable importance.

The Points proposed to be occupied by Works of Defence, extracted from Major General Cardew’s last Report dated 22nd March 1847 are numbered (as far as the Plan would admit) on No 2 Plan, shewing the Harbour of Refuge, according to the Reference now forwarded.

I have the Honor to be Sir etc.

CO Streanfield  Lt Col
Commanding Royal Engineer

Points to be occupied by Works of Defence, and numbered on Plan No 2, according to the Reference, extracted from M Gen Cardew’s Report dated 22nd March 1847.

1. Vercult The Promontory of Vercult to be occupied by a strong entrenchment with a large Tower for 100 men and 2 Batteries in advance; 1 for 6 Heavy Guns on the Point, and another in advance lower down, 3 Heavy Shell Guns to be casemated.

2. Archirondell Existing Tower Battery to be modified, as may be advisable after the line of the Breakwater is defined.

3. La Crete Point A Tower for 3 Guns, to command the southern part of Ann Port Bay.

4. Breakwater 2 Powerful Casemated Batteries on the Breakwater, or on Rocks adjacent called ‘Pierre Mouillee, & ‘La Grande Basse’

5. Mont Orgueil Additional battery of 10 Heavy Guns, 6 of which to be for Shells & Casemated, to be constructed on the South East angle of Mont Orgueil Castle, 20 feet above high water mark, in order to command the Coast on the South & to flank the entrance to the intended Harbour.

6. Mont St Nicolas To be permanently occupied by a Work not yet defined which should contain Barracks for a sufficient Garrison with Stores, Magazine, Provisions & intended for support against any land attack.

7. La Coupe The Point at La Coupe to be occupied by a 3 Gun Tower.

8. Nez de Guet Land to be purchased in rear of Works to secure communication.

C.R. Streanfield  Lt Col
Commanding Royal Engineer. 2nd October 1847
Map of Jersey by Hugh Godfray, 1849
(Jersey Archive ref: L/F/120/A/107)
Harbours of Refuge Report, 1849

MONEY EXPENDED ON HARBOURS OF REFUGE

DOVER.

ABSTRACT of Engineers’ Quarterly Reports of Progress for 1849.

Breakwater Pier.

During this year the foundations of the walls on both sides of the breakwater, with the heaving to the same, were carried out to an extent of 480 feet, 440 feet of which were raised to the height of 30 feet.

The total advance during the year being 100 feet.

The average number of workmen during the year was 106.

Certificates to the amount of 98,000 l. were granted to the contractors during the year, making a total of 74,500 l. from the commencement.

CHANNEL ISLANDS.

ABSTRACT of Engineers’ Quarterly Reports of Progress for 1847.

Alderney.

Arrangements having been made with Messrs. Jackson and Bean, the contractors, to open the quarries in January 1847, they at once sent over men and materials, and on the 12th February a commencement was made by opening a quarry near the site of the western breakwater. The stone, however, in this part of the island not proving suitable for the works, it was considered advisable to purchase land for quarries at Manners, and to construct a railway from thence to the breakwater, a distance of about two miles.

The land for the railway and quarries having been purchased, the formation of the railway was commenced on the 15th of March, and on the 7th of July following, notwithstanding several cuttings through rock from 20 to 30 feet deep had to be made, the longer portion of the line was formed upon the surface for the convenience of crossings. In the meantime the quarries were partially opened.

On the opening of the railway, which was worked by a locomotive engine, the depositing of stone for the western arm of the breakwater was resumed; the works proceeded without interruption to the end of the year.

A severe storm was experienced on the 4th December, when stones of six tons weight were removed from 100 to 200 feet from the place of deposit.

The total quantity of stone deposited for the breakwater during the year, was about 90,000 tons.

The average number of workmen upon the works was 220.

Certificates to the amount of 18,500 l. for the railway and breakwater, were granted to the contractors, Messrs. Jackson & Bean.

St. Catherine’s, Jersey.

Land for the works and quarries having been purchased, a commencement was made with the works at St. Catherine’s, Jersey, on the 30th June, by opening quarries near the proposed breakwaters at Verclut and Archirondel; a good deal of preparation was required at the latter place in the diversion of roads and approaches; some delay and expense were also incurred at Verclut from the officers of the Ordnance objecting to the removal of the Verclut point, which contains good stone.

A length of 88 yards of the breakwater at both points, was raised above high water.

The average number of workmen at both arms was about 400.

Certificates to the amount of 15,000 l. were granted to the contractors, Messrs. Jackson & Bean.
ABSTRACT of Engineers’ Quarterly Reports of Progress for 1848.

St. Catherine’s, Jersey.

The progress during the year at the breakwaters at the Verclut and Archirondel Arms, Breakwaters.

St. Catherine’s Bay, Jersey, was as follows:

The mass of the breakwater was extended to a length of 343 yards from the shore.

The inner or harbour wall was 160 yards in length, and raised to an average height of 17 feet; one half of the length being ready for the coping.

The outer or sea wall was 100 yards in length, 10 yards of which were ready for the parapet; the paving of the slope was extended 1,100 yards, and was ready to receive the parapet.

The slip-way wall was 216 yards in length, 95 yards of which was raised to the full height, and ready to receive the coping.

The stone at Archirondel quarries proving unsuitable for the walls of the breakwater, a railway half a mile in length was formed from Rosel Valley (where stone similar to that at Verclut was obtained), for conveying the stone to the Archirondel Arm, at which work the progress was as follows:

The mass of the breakwater was extended to 225 yards from the shore.

The outer or sea wall was 65 yards in length, and raised to an average height of 20 feet. The paving or pitching to the west of Archirondel Tower, for the protection of the railway, was nearly completed.

A commencement was made with the formation of the slip-way wall, which for a length of 15 yards was raised to a height of five feet.

The total quantity of stone deposited in both arms from the commencement was 150,000 tons.

The daily average number of workmen throughout the year was 300, and of horses 15.

Certificates to the amount of 28,500 l. were granted to the contractors, Messrs. Jackson & Bean; making a total, since the commencement, of 41,500 l.

MONEY EXPENDED ON HARBOURS OF REFUGE

CHANCEL ISLANDS.

ABSTRACT of Engineers’ Quarterly Reports of Progress for 1849.

St. Catherine’s, Jersey.

The work done during the year at the breakwaters at Verclut and Archirondel, in St. Catherine’s Bay, Jersey, was as follows:

The mass or heaving of the breakwater at the Verclut Arm up to the level of low water was extended to 387 yards from the shore.

The outer or sea wall was 180 yards in length; for 60 yards it was 46 feet; for 80 yards, 37 feet; and for 40 yards it was 18 feet in height; the foundation for a further length of 15 yards was laid.

The inner or harbour wall was 940 yards in length; 140 yards of which were ready to receive the coping; 100 yards were 37 feet high, and the foundation was laid for a further length of 10 yards.

The total quantity of stone deposited in the Verclut Arm during the year was 161,000 tons.

The works at the Archirondel Arm were suspended by order at the end of July; up to that time, the mass or heaving of the breakwater had been advanced very little, the attention of the engineers being drawn to the protection of the work already done by the advancement of the face walls.

The outer or sea wall was raised to the level of the quay for a length of 60 yards.

The inner or harbour wall was carried out to the length of 50 yards, and was 14 feet in height.

The paved slope between the shore and Archirondel Tower was completed excepting the coping.

The slip-way wall was 116 yards in length, and ready for the coping.

The quantity of stone deposited during the year was about 50,000 tons.

The daily average number of workmen was 505, and of horses 13.

Certificates to the amount of 28,000 l. were granted to the contractors, Messrs. Jackson & Bean, during the year; making a total, since the commencement, of 64,500 l.
Print of St Catherine's Bay from the Pier by J Harwood, 3 April 1855
(Société Jersiaise Art Collection ref: SJA/0000/01901)
Handwritten book concerning the fortifications of the Jersey Militia, 1857
(Jersey Archive ref: L/F/97/M18/1)
A.xix

Memorandum by Col Le Couteur on the Defence of Jersey, 14 February 1860

Memorandum by Col Le Couteur to Maj Gen Mundy on the attack & Defence of Jersey

Defences of Jersey.

St Aubin's Bay & Portelet.

General Sir Howard Douglas in his recent admirable work on 'Modern systems of Fortification' at page 216 states 'The Channel Islands form the advance guard for the protection of England from an attack from Cherbourg. They should be strongly garrisoned and have a powerful steam squadron in their harbours'. Again at page 258/9 'Sir M Berkeley conceives that the Port of Cherbourg could be most easily watched from Spithead or Portland, but it may be said that the Channel Islands are in reality the advanced posts of England. Alderney & Guernsey are admirably situated for resisting any attack upon our Coasts from Cherbourg; for no expedition from there could gain the open Channel without having first masked, blockaded, destroyed or at least effectively shattered the large steam fleet which Great Britain would undoubtedly station at once off those islands in the time of War'.

This authority is in accordance with a conference which I had the honour to hold with the late Duke of Wellington, when on asking my opinion on a point in my report to himself on the defence of Jersey I begged to be excused for asking whether my opinion was required on a point of local defence or on a comprehensive scale including the Channel Islands and the Channel Coast of England? "Certainly on a comprehensive scale". This embraced the scheme for a secure Harbour of Refuge at Alderney, that island being rendered impregnable - a fine harbour at Guernsey according to the report of the French Pilots to Louis quatorze - and a Breakwater at Noirmont Point in Jersey, would form a triangular plan of protection which might daily watch St Malo, Granville and Cherbourg, so that no fleet of force could move to attack the Islands, or England from those ports undiscovered. The Duke of Wellington entirely concurred in this view and declared that he would report so to the Government and urge those works.

I proceed to imagine an attack on the two above named bays, for which I have (30th Dec '59) sent your Excellency plans of Defence. For this attack from St Malo and Granville the rendezvous would be behind Chausey 20 miles off - in 20 gunboats, each conveying 500 soldiers besides their crews, protected by a fleet of 14 Steam Frigates.

East Coast Line.

La Coupe to La Rocque Point

La Coupe

Here is a safe landing place on hard sand at high water with a good road leading down to it. This should be cut off, the cliff scotted and the old breastworks restored. A Battery of 12 guns which guarded this point should be replaced by three Guns.

Verdut - Should be occupied by a Fort or Tower to cover the Breakwater, and to sweep the adjacent hill; it would also protect the left of Flouquet harbour.

Flouquet

At high tides the landing place is not above fifty yards wide, guarded by one of the old Martello Towers - the banks on either side should be scarped, protected by a breastwork with an abatis along the whole distance. A steamers drawing ten foot of water at high tide could come into Flouquet within ten yards of the small Tower, & demolish it. The pilots cross from here to Carreret in two hours.

The Echehos rocks

Are half way across to France. On 'Maistre Ide' Mr Remon a Jersey person and two others had houses, there is a good spring on it which is low in very dry weather. A Fort & Battery here with Armstrong Guns it would command both the French and Jersey passages.

Belval

On the left flank of St Catherine's Bay should be scarped and the salient points guarded by breastworks, here was a battery of two 24 pdr guns which should be replaced by three such guns.

St Catherine's Bay

Here were six heavy guns in Battery which should be replaced by a much stronger defence. Three 68 pdr's should be placed on the head of the Breakwater, which should have been constructed to carry mine. At high water the best landing Place would be the Breakwater - 800 yards long and the beach about 500 yards wide. The two Martello Towers are its present protection. In addition to the Fort I have proposed for Verdut there should be a strong battery of 5 or 7 guns at bougouill Point, with one of 3 guns at Archirondel point, to guard the 'Haven de fer' to La Crete, as well as to cross fire on St Catherine's Bay. All the banks to be rendered inaccessible and guarded by breastworks.

Anne Port

Here were three 7 gun batteries from La Croe to the extremity of this Bay, they should be replaced by two 3 Gun batteries, placed about 50 ft above high water line, so as to cross fire on the landing place which is about 400 yards wide at high tide and very much narrower at low water. Breastworks, abatis or Chouaux de Frize should be placed where required.

Victoria Tower

Built by General Lewis in 1837 it is 195 ft above high water mark, it enters into part of Anne Port. It is 37 ft lower than the top of Mont Orgueil Castle - if turned this Tower could be of no value as the ground to its North is higher, from which riflemen would destroy every gainer on the Tower.

Grouville Bay

Four miles east of St Helier its extent from La Rocque Point to the eastern extremity of Mont Orgueil Castle is about 4800 yds in high Spring Tides the sea washes the banks and ebbs about 1600 yards. In Neep Tides the rise is about 60 yards from the banks, the ebb falls to 600. In the year 1804 this bay was protected by 26 Guns in Battery. That number of rifled cannon placed in five batteries along the coastline should be sufficient. The Martello Towers from la Rocque N°1 to Tower N°5 are about 300 or 400 yards apart, to Fort Henry 800 yards; very suitable distances for modern rifles. The ensuing thousand yards to Fort William which space is the middle of the Bay is open and undefended just where a landing might best be attempted. To guard this it should place on the inner flanks of both these Forts at a distance of 50 yards from each Fort, two Batteries of 5 rifled Guns. If the batteries were forced the men might retire into the Forts from whence the enemy would be under a heavy fire.

09/04/2006 18
Refined notes for the Western coast of Barry, from La Hague to La Roperie. Rough sketch on the 15th of April by the

**Title:**

[Handwritten title]

**Scale:**

[Scale bar with inches and feet]

**Notes:**

[Handwritten notes on the diagram]
Report by Major General Douglas, 10 November 1860
(Jersey Archive ref: A/D2/1)

A/D2/1
Letter from Maj Gen Sir Robert Percy Douglas to D Adjt Gen RA
10/11 1860

Sir,

Upon my arrival here on 18th Sept I received from Col Renwick Re your letter of the 6th Sept numbered as per margin.

I have inspected every work in this Island to which the joint report of the Commanding Officers R & R E bearing date 12th June last refers, and after careful consideration of the present and proposed armament for this Island, I have now the honour to submit to HRH the General Commanding in Chief's my opinion upon the whole subject, and especially with reference to the remarks of Colonel Renwick dated 14th July last to add some further remarks.

Your instructions have reference solely to the matter of armament and to this special subject. I shall as far as possible confine my present observations, but it is difficult to give an opinion respecting the most suitable armament for a particular site without touching to a greater or less extent upon the nature of the works which it is proposed to arm - and I trust accordingly that I shall be excused in departing from the strict letter of your instructions in regard to this matter.

Grouville Bay

I concur in the recommendations for the reconstruction of these works for the reception of the particular armament suggested by the Commanding Officers of Artillery & Engineers, and for the abandonment of Seymour Tower and Echo Tower's Batteries, and in so far as intended for the reception of Artillery, that of the smaller Martello Towers round the Coast, replacing some of these however by earthwork defences on the higher level, in St Catherines'Bay for the protection of the Harbour, and in St Brelade's Bay opposite to Beauport Battery, and perhaps at Greve de Lecq, but this I must own so questionable as to deserve the opinion of one of more qualified than I am to speak on such subjects.

Batteries: Ciel, Beauport La Crete, Pier, L'Ecrequerel & Nis du Quay

I concur in the recommendation of the armament for these Batteries but I feel bound to state that I consider their position and form of construction to be as bad as can be. Under the fire from the entrance of the present day I apprehend these batteries would be untenable. If preserved in their present state they require a considerable outlay, for the coring of their sea fronts. I think however that they should be replaced by earthwork batteries on the higher level. They are really miserable works.

Archandell Battery & Victoria Tower

Before any opinion can be well pronounced with regard to these two items it appears to me that the question of the completion of St Catherines Harbour should be determined. If this be decided in the affirmative then I think that both these positions would be an improper delation. If on the contrary the completion of St Catherines Harbour be not intended, then I think that Victoria Tower may be beneficially retained and armed as proposed, but that Archandell Battery is not in this case the proper position for this work now that the whole conditions of St Catherines Bay have changed by the construction of the Pier to the Northward.

Mont Orgueil Castle

In so far as relates to the present conditions of the works on Mont Orgueil I concur in the recommendation to dismantle them, but I consider the natural advantages of its position to be such as to render it advisable to construct a powerful Battery upon it, not merely with the view of aiding in the defence of the approaches to St Catherines as protecting the pier & harbour of Gorey, but to cooperate with Prince William's Redoubt and Fort Henry in the general defence of Grouville Bay, and this the more particularly as I am of opinion, should any important addition be made in the number of Troops in this Island a considerable force should be stationed in the vicinity of Mont Orgueil.

Remarks of Colonel Renwick

With reference to the remarks of Col Renwick RE dated 14th July last, I beg to state for his Royal Highness's consideration that I concur in the recommendation of Colonel Cleveland with regard to the utility of Batteries of position. I do not as yet feel justified in making any distinct demand for a specific number of Guns of position nor in indicating what should be their precise nature since these details require a more intimate local knowledge of this Island than I have yet been able to attain amidst the many calls upon my time since my recent arrival in the Island; but I am decidedly of opinion that it would be of the greatest utility to the defence of this Island to introduce some Guns of position.

My immediate predecessor recommended the introduction of these Guns (18 Pdr Batteries) but for reasons which I need not now recapitulate in detail the matter was abandoned by him partly on account of the presumed difficulty of horsing such heavy Guns. From the best information I have been able to obtain I gather that in case of an emergency at least 800 horses ie about one third of the whole horses in the Island might be made available for military purposes. This would be amply sufficient to move two demi-batteries of 18 pdr Guns, in addition to our Field Batteries, but could afford Ordinance of corresponding powers and lighter draft be afforded to us there would be no difficulty in making use of them in so far as relates to available horse power. Since along the whole extent of the shores of the three bays in question for the defence of which such Guns are recommended, there are good roads practicable for heavy artillery with carriageable lateral communications to the higher levels, and the gunners & drivers of the Royal Jersey Militia would under the direction of the Officers and with the aid of gunners of the Royal Artillery prove perfectly equal to the transport of these Guns into any position required for the defence of these shores against a landing 'de vive force'.

I must state however that I only recommend these Guns of position whether rifled or not on the understanding that they be placed in charge of the Royal Artillery and not consigned to the care of the Militia nor housed at the expense of the States of Jersey.

I entertain every expectation that the Royal Jersey Militia might be induced to submit to a regular course of instruction to enable them to move and to work these Guns: in fact the large armament proposed for this Island would demand that the Militia Artillery be organised and instructed by the Royal Artillery in the manner of the garrison batteries, and it will accordingly be an object of much solicitude on my part to endeavour to effect this desirable end.

Strong Points on the present levels.

In this remark of Col Renwick I quite concur, as my observations on the existing batteries of Ciel, Beauport etc.

Martello Towers

I have already expressed my opinion on this subject - viz that it is useless to retain the smaller Martello Towers for the reception of Artillery. They might in some cases prove useful under certain circumstances as affording cover for riflemen or as guard houses for infantry but they are ill adapted as Watch Houses from their low level positions. The old Guard Houses on the higher levels should be repaired for this purpose.

With reference to the remark of Col Renwick that these towers would not be tenable against an attack from the land side with Artillery of even small calibre I will merely state that these towers were never constructed to meet an attack from the land side & that I cannot contemplate any combination of matters under which such an attack upon these towers by the enemy could arrive.
Axxi

Archiroll Tower, circa 1900
(Société Jersiaise Photographic Collection ref: SJPA/005658)
A.xxii

Lane overlooking Archirondel Tower by Edward Offor, 24 August 1907
(Société Jersiaise Photographic Collection ref: SJPA/031730)
A.xxiii

Postcard of Archirondelle Tower, circa 1910 - The 'Wyndham' Series
(Jersey Archive ref: L/F/08/G4/2)
View across the water to Archirondel by Francis Foot, circa 1925
(Société Jersiaise Photographic Collection ref: SJP/A/032743)
Ordnance Survey Map of Jersey, 1935
(Jersey Archive ref: D/Z/L/8/4)
Distant view of Archirondel by Richard Whinnerah, circa 1960
(Société Jersiaise Photographic Collection ref: SJPA/009079)
Jersey's Martello Towers

During World War II, Jersey's coastal defenses were augmented with Martello Towers, which were named after the inventor, Captain John Martello. These fortresses were built to protect the island from enemy attacks.

The construction of the first Martello Tower in Jersey was completed in 1802. These towers were designed to be self-sustaining forts with a stockpile of provisions, water, and a gunpowder magazine. They were strategically placed along the coast to provide a line of defense against potential invaders.

Cost: £4,000

The towers were built using local materials, and their design allowed for easy maintenance and repair. They were constructed with stone and brick, and were equipped with a single gun emplacement.

A Reorganized Approach

After World War II, the Martello Towers were reorganized to serve as a tourist attraction. They were opened to the public and became a popular destination for locals and tourists alike. The various levels of the towers were furnished with period furniture and artifacts, providing visitors with a glimpse into the past.

In August 1962, the Tower at La Rocque, once known as the Tour de la Grande Armerie, was reorganized and the next summer the new tourist season began.

MAX HEWITT

Evening Post, 23 April 1966
19th-century find at St. Catherine

THE platform from an early 19th century coastal gun battery has been discovered at St. Catherine.

It is part of what was once the Les Viviers battery, and was discovered in the woodland almost opposite Rue de la Solitude, St. Martin, by Mrs. Mary Gibb, when she and other members of La Société Jersiaise were searching for a St. Catherine dolmen.

They never found the dolmen, and wonder now whether one ever existed, but the compensation was the discovery of the platform, which has since been partially uncovered.

It is thought that the battery was built in about 1810 as a defence against a French invasion, and that it originally consisted of three gun platforms, two of which were completely removed to make way for a railway line, with a guard house just a bit further inland.

Having made the discovery, Mrs. Gibb would naturally like to see the whole platform brought into view, but local military history expert, Mr. Richard Mayne, who also visited the site this week, has reservations.

He believes that it would be difficult to make the site safe for the public, and that large numbers of people could cause considerable damage to it.

He would rather prefer the whole platform to be covered over and a plan made to record its existence, and that the three small trees growing above the platform be removed to ensure that they cause no damage.

Another idea put forward in the event of it being impossible to make the site safe for the public to view is that it should be marked and a plaque put up by the roadside to inform people of the existence of the battery site.

It is believed that about 70 similar batteries were built around the coast during the early 19th century.
A.xxix

Ordnance Survey Map of Jersey, 1981
(Jersey Archive ref: L/F70/A/53)
A.xxx

Photographs of Archirondel Tower 1992-2006
(Planning and Environment Dept Historic Buildings Register ref: MN0179)
Archirondel Tower - Battery (March 2006)

west entrance with loopholed wall
Landward facing side of battery with west entrance
steps leading down to rocky outcrop

1940s blocking at top of steps with German graffiti
1795 traversing gun platforms with 1940s insertions
1795 traversing gun platforms with 1940s insertions
1795 traversing gun platforms with 1940s insertions
1940s entrance extension
Archirondel Tower - basement level (March 2006)

brick vaulted magazine

1940s entrance into basement level
Archirondel Tower - entrance level (March 2006)

1794 entrance remodelled in 1941

fireplace
Archirondel Tower - entrance level (March 2006)

musket loopholes and window
(showing 1940s concrete floor)

1940s access to upper level
original staircase niche
Archirondel Tower - upper level (March 2006)

brick vault

musket loopholes and window
Archirondel Tower - upper level (March 2006)

fireplace

staircase niche with 1940s ladder
Archirondel Tower - roof level (March 2006)

1940s platform

C20 cabin over access hatch
Archirondel Tower - roof level (March 2006)

machicolation

original timber framing inside machicolation
Archirondel Tower - roof level (March 2006)

view looking down through machicolations
A.xxxi

Ordnance Survey Map of Jersey, 2003
(Planning and Environment Department)
Appendix B
Site of Special Interest draft designation

Position and extent of the proposed Site of Special Interest

Archirondel Tower, St Martin

The position and extent of the proposed Site of Special Interest are shown on the plan and are -

(a) the outer face of the granite gun platform from the northernmost point of the gun platform, as indicated by the letter “a”, to the junction with the east side of the granite steps providing access from the gun platform to the rocky outcrop, as indicated by the letter “b”;

(b) the outer face of the granite steps providing access from the gun platform to the rocky outcrop from the east side of the steps at the junction with the outer face of the granite gun platform, as indicated by the letter “b”, to the west face of the steps at the junction with the outer face of the granite gun platform, as indicated by the letter “c”;

(c) the outer face of the granite gun platform from the junction with the west face of the granite steps providing access from the gun platform to the rocky outcrop, as indicated by the letter “c”, to the junction with the outer face of the eastern end of the loop-holed wall, as indicated by the letter “d”;

(d) the outer face of the loop-holed wall from the junction with the outer face of the granite gun platform, as indicated by the letter “d”, to the north-west corner of the western end of the loop-holed wall, as indicated by the letter “e”;

(e) the outer face of the cement capped stone rubble wall from the north-west corner of the western end of the loop-holed wall, as indicated by the letter “e”, to the north-west corner of the cement capped stone rubble wall, as indicated by the letter “f”;

(f) an imaginary line taken from the north-west corner of the cement capped stone rubble wall, as indicated by the letter “f”, to the northernmost point of the outer face of the granite gun platform, as indicated by the letter “a”.

26th September 2005
Archirondel Tower, St Martin

Site of Special Interest
Appendix C
Jersey Heritage Trust protocol for archaeological work

Contents

1. INTRODUCTION ........................................................................................................... 3
2. STATUTORY, POLICY AND ADVISORY FRAMEWORK ............................................ 3
3. DESK-BASED ASSESSMENT (DBA) ............................................................................ 4
4. MITIGATION PLAN ..................................................................................................... 4
5. PROJECT DESIGN ...................................................................................................... 5
6. METHODS STATEMENT ............................................................................................ 5
7. ARCHAEOLOGICAL EXCAVATION .......................................................................... 5
8. ARCHAEOLOGICAL WATCHING BRIEF .................................................................... 5
9. BUILDING INVESTIGATION AND RECORDING ....................................................... 6
10. POST-EXCAVATION ................................................................................................. 6
11. COLLECTION, DOCUMENTATION, CONSERVATION AND RESEARCH OF ARCHAEOLOGICAL MATERIAL .............................................................. 7
12. PUBLICATION AND DISSEMINATION ..................................................................... 7
13. ARCHIVE DEPOSITION ............................................................................................ 8
14. STAFF AND VOLUNTEERS ..................................................................................... 8
15. HEALTH AND SAFETY ............................................................................................ 8
16. REFERENCES ............................................................................................................ 8
1. INTRODUCTION

1.1 In the absence of statutory guidance the Jersey Heritage Trust has developed its own protocol for archaeological work.

1.2 The purpose of this document is to set out the methods to be employed and the standards to be achieved when undertaking works of an archaeological nature at JHT sites.

1.3 The protocol mirrors standard practice in England and encompasses the draft *Supplementary Planning Guidance – The Historic Environment*.

2. STATUTORY, POLICY AND ADVISOR FRAMEWORK

2.1 The Island Planning (Jersey) Law, 1964 (as amended) Article 12 Protection of Sites of Special Interest
Site of Special Interest Permission is required from the Environment & Public Services Committee for the following works to an SSI:
- the demolition of a building or its alteration or extension in any manner which would seriously affect its character;
- the use or operation of any device designed or adapted for detecting or locating any metal or mineral in the ground;
- the insertion of a probe into the surface of an SSI;
- the digging of any hole on an SSI;
- the excavation in an SSI;
- the removal of any sand, stone, gravel, earth or rock from an SSI.

The sites and monuments in the care of the JHT are either designated as Sites of Special Interest (SSI) or registered as proposed Sites of Special Interest (pSSI). Whichever the case all sites will be treated as designated.

2.2 Jersey Island Plan (2002) - Policies relevant to Archaeology
- G11 Sites of Special Interest
- G12 Archaeological Resources
- G13 Buildings and Places of Architectural and Historic Interest

2.3 Draft Supplementary Planning Guidance – The Historic Environment
The SPG provides support to the policy framework set out in the Jersey Island Plan 2002 and is intended to ensure that the historic environment, including the archaeological and built heritage, is a material consideration in planning decisions, that those decisions are informed and reasonable, and that the impact of development on the historic environment is sustainable.

2.4 International Conventions – Jersey has ratified the Convention for the Protection of the Architectural Heritage of Europe (Granada 1985) and
the European Convention on the Protection of the Archaeological Heritage (Revised) (Valletta 1992). The conventions place obligations on member states to introduce legislative, policy and other measures to protect the archaeological and architectural heritage.

2.5 **Other Guidance** – It is the intention of the JHT to take into account best current practice from other jurisdictions especially English Heritage, Institute of Field Archaeologists, Council for British Archaeology etc. (see bibliography).

2.6 **Conservation Plans** – Work must be considered in the light of policies set out in Conservation Plans which provide site-specific guidance.

3. **DESK-BASED ASSESSMENT (DBA)**

3.1 A programme of assessment of the known or potential archaeological resource. It consists of a collation of existing written, graphic, photographic and electronic information in order to identify the likely character, extent, quality and worth of the known or potential archaeological resource. This will inform the requirement for, and scope of, any non-intrusive or intrusive surveys.

3.2 On a large complex site like Mont Orgueil Castle a phased programme of evaluation is adopted, with each stage informing the next.

3.3 The DBA should be submitted to the Planning department who will decide whether further information is needed in order to make an informed decision regarding the archaeological resource.

3.4 All work should be carried out with reference to the IFA *Standard and Guidance for Archaeological Desk-Based Assessment.*

3.5 **Consultation**

The JHT aims to ensure involvement and support from those other organisations which have an interest in the project.

3.6 SSI permissions are automatically referred to the Archaeology Section of the SJ for comment.

3.7 Also consideration is given at this stage to seeking any additional academic guidance needed.

4. **MITIGATION PLAN**

4.1 This is required to demonstrate that primary consideration has been given to mitigating loss by the appropriate design of foundations and other interventions prior to determination.
4.2 Where archaeological remains are present but preservation in situ is not appropriate, we must make appropriate provision for the implementation of a programme of archaeological investigation in accordance with the specification produced by the Planning Committee.

5. PROJECT DESIGN

5.1 Required to submit a project design to the planning department. This comprises a comprehensive document describing the background to the project, listing aims and objectives, describing the methodologies and resources to be employed and the form of reporting and archiving (EH 1991). The project design will also include appropriate risk assessment(s).

5.2 Project designs are to be produced for each stage of evaluation/mitigation works in response to a brief/specification produced by the planning department.

6. METHODS STATEMENT

6.1 The proposed data collection methods should be described, making clear why those advocated are the most appropriate and will best ensure that the data collected can fulfil the projects aims.

7. ARCHAEOLOGICAL EXCAVATION

7.1 Excavation will examine and record the archaeological resource within a specified area (usually areas that contain significant archaeological deposits, but do not warrant preservation in situ) using appropriate methods and practices. These must satisfy the stated aims of the project (Project Design) and detailed in the brief/specification produced by the planning department. It will result in one or more published accounts and an ordered, accessible archive.

7.2 A unique site code is issued by the JHT.

7.3 All work should be carried out with reference to the IFA Standard and Guidance for Archaeological Excavation (1995, revised 2001).

8. ARCHAEOLOGICAL WATCHING BRIEF

8.1 In some cases where pre-determination evaluation has shown that archaeological remains are expected to be sparse, poorly preserved
and are not significant enough to require preservation *in situ* or by
detailed investigation and record, the Planning department may still
require archaeological monitoring to be undertaken.
The scale and scope of archaeological monitoring can vary according
to circumstances and are subject to a brief provided by the department.

8.2 In certain circumstances remains found during a watching brief may
require detailed investigation, analysis, publication and archiving.

8.3 On completion of the watching brief a programme of post-excavation
will be undertaken, culminating in the publication of the results of the
investigations and deposition of the site archive.

8.4 All work should be carried out with reference to the IFA *Standard and

9. **BUILDING INVESTIGATION AND RECORDING**

9.1 Preservation by record will be required by condition (planning) where
features of interest are likely to be exposed during the works or where
damage is unavoidable, or in the case of the removal or covering up of
features.
The mitigation will be a full written and graphic record of the
investigation.

9.2 The work will be undertaken by properly experienced
archaeologist/building investigators and conducted according to a brief
agreed with the Planning department.

9.3 The product of the investigation and recording of the building will be an
illustrated report and published account of any discoveries

9.4 All work should be carried out with reference to the IFA *Standard and
Guidance for the archaeological investigation and recoding of standing
buildings or structures.*

10. **POST-EXCAVATION**

10.1 On completion of the fieldwork a programme of post-excavation will be
undertaken, culminating in the publication of the results of the
investigations and deposition of the site archive.

10.2 A post excavation assessment should be carried out after completion of
the fieldwork and site archive to access the potential for further
analysis and publication.

10.3 Proposals for work to be carried out will be expressed as an updated
project design
11. COLLECTION, DOCUMENTATION, CONSERVATION AND RESEARCH OF ARCHAEOLOGICAL MATERIAL.

11.1 All finds and samples should be treated in a proper manner and to standards agreed by the JHT.

11.2 JHT must make available a copy of its Acquisition Policy and Collection Management Plan. This will include recommendations on the content and presentation of the archive, the selection and retention of material, standards for documentation, packaging and conservation requirements, storage grants to be charged and arrangements for transfer of ownership and copyright issues.

11.3 The Curator of Archaeology to be responsible for all archaeological finds.

11.4 At the end of each investigation artefacts and samples to be taken off site by the Curator of archaeology – usually to La Hougue Bie.

11.5 The Curator of Archaeology to arrange for appropriate cleaning, marking and storage, with the assistance of the Société Jersiaise Archaeology Section.

11.6 The Project Archaeologist/Curator of Archaeology to inform the JHT Conservator of any conservation requirements.

11.7 All work should be carried out with reference to the IFA Standard and Guidance for the collection, documentation, conservation and research of archaeological material. Best practice is also represented in the UKIC Conservation Guidelines No 2 and English Heritage Centre for Archaeology Guidelines.

12. PUBLICATION AND DISSEMINATION

12.1 Technical reports detailing the results of the various stages of evaluation will be required for approval by the Planning department. A programme of appropriate analysis and publication will form part of that requirement. This is likely to take the form of an Assessment report and updated project design. A summary of the result will be required for inclusion in the Heritage Environment Database.

12.2 The JHT will seek to ensure the prompt dissemination of all work. The project archaeologist is responsible for the analysis and publication of the data. While exercising this responsibility they shall enjoy consequent rights of primacy. However failure to prepare or publish the
results within 10 years of completion of fieldwork shall be construed as a waiver of such rights.


12.4 Consideration will also be given to more wider publications, through the JHT website and exhibitions.

13. ARCHIVE DEPOSITION

13.1 JHT must make provision for the archival storage of artefacts retrieved during archaeological investigation together with associated written and drawn archives.

13.2 A copy of all reports should be deposited with the Planning department for the Heritage Environment Database, SJ Library and the SJAS library.

13.3 The archive must be treated and packed in accordance with requirements of the JHT Curator of Archaeology, Conservator and Archivist.

14. STAFF AND VOLUNTEERS

14.1 All staff including volunteers must be suitably qualified and experienced for their project role.

14.2 All staff and volunteers must be fully briefed and aware of the work required under the specification and must understand the aims and methodologies of the project.

14.3 The site director should preferably be a corporate member of the IFA or equivalent.

14.4 The JHT Site Resource Officer will maintain a digital photographic archive of all works in progress.

15. HEALTH AND SAFETY

15.1 All work is to be carried out in accordance with the latest Health and Safety legislation and good practice.

16. REFERENCES

- The Island Planning (Jersey) Law, 1964, as amended
• Island Plan Policies G11, G12, G13
• Supplementary Planning Guidance – The Historic Environment (draft)
• Granada Convention 1985
• Valetta Convention 1992
• Institute of Field Archaeologists 1994 Standards and Guidance, By-Laws
• Institute of Field Archaeologists 1986 Code of Conduct
• Institute of Field Archaeologists Code of Approved Practice for the Regulation of Contractual Arrangements in Field Archaeology
• Institute of Field Archaeologists 1992 Guidelines for Finds Work
• English Heritage Management of Archaeological Projects 1991
• Museums and Gallery Commission 1992 Standards in the Museum Care of Archaeological Collections.
• Society of Museum Archaeologists 1995 Towards an Accessible Archaeological Archive
• Museum Documentation Association and Society Museum Archaeologists 2000 Standards in Action : Working with Archaeology
• United Kingdom Institute for Conservation 1990 Guidelines for the Preparation of Excavation Archives for long-term storage.
• Association of County Archaeological Officers 1993 Model Briefs and Specifications for Archaeological Assessments and Field Evaluations
• Association of Local Government Archaeological Officers 1997 Analysis and Recording for the Conservation and Control of Works to Historic Buildings
• Clark, K 1999 Conservation Plans in Action
• Clark K 2001 Informed Conservation
• ICOMOS 1990 Guide to Recording Historic Buildings
• Dixon, P & Kennedy, J 2002 Mont Orgueil Castle Conservation Plan
• Jersey Heritage Trust Mont Orgueil Castle Development Strategy
• Council for British Archaeology - Various fact sheets
Appendix D
Glossary of building conservation terminology


NOTE. The terms defined are those which can be regarded as having precise or technical meanings in the context of building conservation. No definitions are offered for such general terms as refurbishment, rehabilitation or renovation.

**alteration**
Work the object of which is to change or improve the function of a building or artefact or to modify its appearance.

**archaeology**
Scientific study and interpretation of the past, based on the uncovering, retrieval, recording and interpretation of information from physical evidence.
NOTE 1. Archaeological evidence in buildings is as likely to be visible or concealed in the superstructure as below the ground.
NOTE 2. Archaeological investigation can be destructive.

**conservation**
Action to secure the survival or preservation of buildings, cultural artefacts, natural resources, energy or any other thing of acknowledged value for the future.
NOTE. Where buildings or artefacts are involved, such actions should avoid significant loss of authenticity or essential qualities.

**conservation area**
Area of special architectural or historic interest, the character or appearance of which is desirable to preserve or enhance.

**conversion**
Alteration, the object of which is a change of use of a building or artefact, from one use or type to another.

**design**
Abstract concept of a building or artefact. It can exist in the mind or on paper and if realised, it can be represented in the building or artefact itself.
NOTE. The design of a building can be original and unaltered, or it can be a composite made up of a series of successive designs.

**fabric**
Physical material of which a building or artefact is made.
NOTE. Its state at any particular time will be a product of the original design and of everything to which it has been subject in the course of its history, including deliberate alterations based on well considered secondary or subsequent designs, careless changes, the effects over time of weather and use, damage and decay.

**intervention**
Any action which has a physical effect on the fabric of a building or artefact.

**maintenance**
Routine work necessary to keep the fabric of a building, the moving parts of machinery, grounds, gardens or any other artefact, in good order.

**preservation**
State of survival of a building or artefact, whether by historical accident or through a combination of protection and active conservation.

**protection**
Provision of legal restraints or controls on the destruction or damaging of buildings or artefacts, natural features, systems, sites, areas or other things of acknowledged value, with a view to their survival or preservation for the future.

NOTE. *Any intervention or work likely to affect the essential qualities of a building or its character, land or anything which is legally protected would normally require a consent to be obtained through a procedure established by the relevant legislation.*

**rebuilding**
Remaking, on the basis of a recorded or reconstructed design, a building or part of a building or artefact which has been irretrievably damaged or destroyed.

**reconstruction**
Re-establishment of what occurred or what existed in the past, on the basis of documentary or physical evidence.

NOTE. *The strength of this evidence determines how accurate or hypothetical the reconstruction is.*

**repair**
Work beyond the scope of regular maintenance to remedy defects, significant decay or damage caused deliberately or by accident, neglect, normal weathering or wear and tear, the object of which is to return the building or artefact to good order, without alteration or restoration.

NOTE. *Most repair work should be anticipated and planned, but occasionally it can be required in response to a specific event, such as a storm or accident.*

**replication**
Making an exact copy or copies of a building or artefact.

**restoration**
Alteration of a building, part of a building or artefact which has decayed, been lost or damaged or is thought to have been inappropriately repaired or altered in the past, the objective of which is to make it conform again to its design or appearance at a previous date.

NOTE. *The accuracy of any restoration depends on the extent to which the original design or appearance at a previous date is known, or can be established by research.*

**reversibility**
Concept of work to a building, part of a building or artefact being carried out in such a way that it can be reversed at some future time, without any significant damage having being done.