

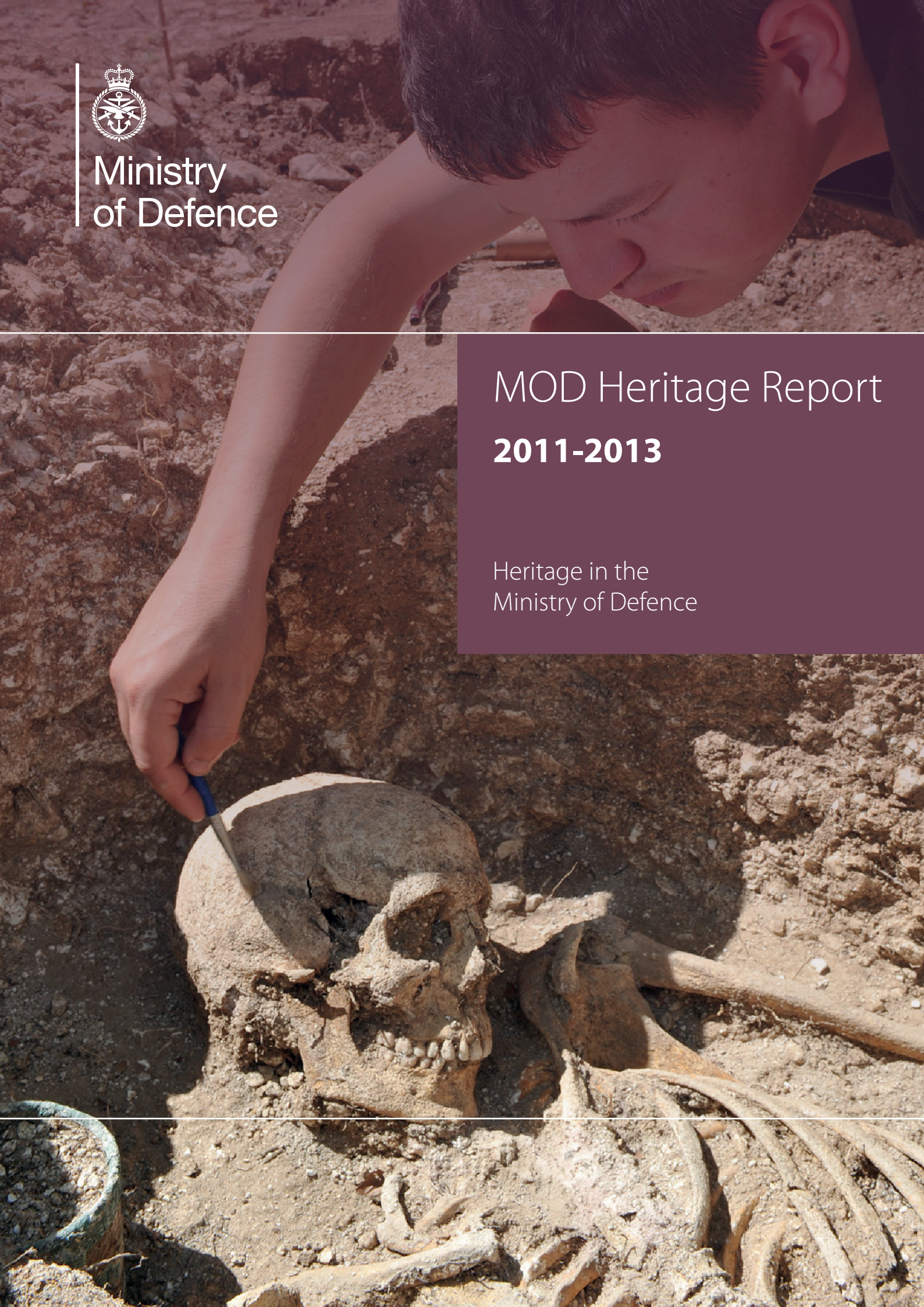


Ministry
of Defence

MOD Heritage Report

2011-2013

Heritage in the
Ministry of Defence



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Introduction

1. The MOD has the largest historic estate within Government and this report provides commentary on its size, diversity, condition and management. This 5th biennial report covers the financial years 11/12 and 12/13 and fulfils the requirement under the DCMS/ English Heritage (EH) Protocol for the Care of the Government Estate 2009 and Scottish Ministers Scottish Historic Environment Policy (SHEP). It summarises the work and issues arising in the past two years and progress achieved both in the UK and overseas.
2. As recognised in the 2011 English Heritage Biennial Conservation Report, the MOD has fully adopted the Protocol and the requirements outlined in the SHEP. The requirements for both standards have been embedded into MOD business and reflected within its strategies, policies, roles and responsibilities, governance, management systems and plans and finally data systems. The MOD continues to be an exemplar within Government regarding the management of its historic estate.
3. Regarding its historic estate, MOD's vision is to value and promote the sustainable use of its heritage assets, in recognition of the benefits they bring to the environment, the quality of life of defence communities and the Nation's cultural heritage. The role the historic estate has in supporting the ethos of the Services is increasingly recognised. The Heritage Committees of the different branches of the Services include estate assets within their remit and heritage issues are being considered within strategic estate decision making.
4. The reporting period has seen a maintenance of heritage management in terms of condition of the estate (79% of scheduled monuments and 85% of listed buildings in good or fair condition) in spite of current financial restrictions.
5. There have been some significant changes in the profile of the MOD historic estate during the reporting period as a result of 33 new listing designations. A deeper analysis of the estate, in addition to 9 new schedulings at Corsham, has led to an increased total of Scheduled Monuments. There have also been a number of significant disposals in particular the sale of the RAF Bicester Technical site.
6. The MOD is currently in the process of reviewing and re-letting many of its estate related contracts including its regional primes, rural training estate and housing contracts. The Next Generation Estate Contract (NGEC) team are embedding sustainability commitments (including heritage management) into requirement documents and tendering stages ready for contract award from 2013-14.
7. MOD heritage management will face a number of challenges in the coming years. Austerity measures will mean reduced infrastructure budgets and further prioritisation of funding to support operational outputs. The effects are already being felt as budgetary restrictions during the reporting period have confined maintenance work to statutory compliance in some areas of the estate, under Programme PROMPTU.
8. The 2010 Strategic Defence and Security Review (SDSR) and Defence Reform review introduced changes to the Departmental operating model and has seen the creation in April 11 of a single estate management organisation - the Defence Infrastructure Organisation (DIO) - taking responsibility for all infrastructure delivery, being given all infrastructure funding, and a strengthened role in coordinating the Services' needs into an affordable infrastructure programme. This is allowing MOD increasingly to manage its estate and infrastructure as a corporate asset, including to drive further rationalisation and to get the best use out of it. Further SDSR initiatives including rebasing personnel returning from Germany, and introduction of new equipment capabilities will also present challenges and opportunities for heritage assets as a result of redevelopment of existing establishments, requirements for accommodation for personnel and their families, or disposals.

9. The MOD had continued to build on its already strong working relationship with its heritage partners across the Devolved Administrations. An effective stakeholder framework is in place with all parties working closely on policy as well as operational issues. This partnership working will become increasingly important in creating sustainable solutions to heritage management in light of the anticipated future challenges.

Profile of the MOD Historic Estate

10. The MOD's historic estate comprises of 839 listed buildings and 763 scheduled monuments.¹ 37 scheduled monuments are structural i.e. not field archaeological monuments (Table 1).

Table 1. MOD Listed Buildings and scheduled monuments, by Grade

	Listed Building Grade			Total	Scheduled Monument
	I or A	II* or B (Sc) or B+ (NI)	II or C (Sc) or B (NI)		
England	20	85	594	699	704
Scotland	3	4	41	48	21
N. Ireland	16	45	24	85	1
Wales	3	0	4	7	37
Total	42	134	663	839	763

11. During the reporting period, there were 33 new designations of listed buildings, including at USAF Croughton, Lower Upnor and RAF Wittering. The new listed building designations are at Annex A. New schedulings within this reporting period include designations of a series of assets in the Cold War bunker at Corsham.

¹ There are a further 333 scheduled monuments on land MOD has a licence to train on, which whilst the Department has no management responsibility over these, it does have a duty not to damage.

CASE STUDY: New Designations at RAF Spadeadam

In 1955, the open and largely uninhabited moorland to the north of Gilsland, Cumbria, was selected as the site for the Spadeadam Rocket Establishment. Its role was to support the development of a wholly British built intermediate range ballistic missile (IRBM) the Blue Streak. It was to be a liquid fuelled missile tipped with a nuclear warhead with a range of around 1,500 nautical miles (2,413km), sufficient to reach Moscow from the United Kingdom. The missile project was cancelled in April 1960.



RAF Spadeadam is now home to one of very few surviving Cold War rocket research establishments in Britain and the only single phase, grand scheme site conceived for a single rocket programme. While it is considered possible that similar rocket establishments to Spadeadam may survive within the countries of the former Soviet Union, a comparable site in the United States is believed to have been recently removed. Consequently, the comprehensive well-preserved remains of Blue Streak at RAF Spadeadam are considered the sole survivor of a fully integrated rocket facility site in the western world. It was assessed for designation within this reporting period.

Individually each of the five separate scheduled sites has intrinsic importance:

- the air separation plant is a rare industrial plant type,
- the component test area illustrates one aspect of the testing procedures,
- the engine test site reflects most clearly UK/US cooperation,
- the rocket test stands were the most advanced in Europe and comparable to those developed by the United States and the Soviet Union, and
- the underground launch-silo is considered the "Free World's" first in-silo launch weapons system concept.

The relationship of each site to the others and the wider landscape adds group value and enhances the national importance of the whole. The surviving Blue Streak missile at RAF Spadeadam was constructed about 1959 and was used for testing electrical components before fitting them to an actual rocket assembly.

12. Overseas there are a significant number of heritage assets including historic buildings and caves in Gibraltar, classical remains in Cyprus and heritage features on the training estate in Germany e.g. ancient burial mounds on Sennelager Training Area.
13. The MOD has ten Registered Parks or Gardens (RPG) on its estate in England and Scotland. These are: Halton House and Gardens; Chicksands Priory; Ampport House; Minley Manor; Madingley American Military Cemetery; Frimley Park; Aldershot Military Cemetery; Brislee Wood; The Repository Wood and Craigiehall.
14. The MOD also has sections of its estate within nine larger RPGs, these are: Yardley Chase as part of the Castle Ashby; MOD Air Sampling Equipment Site as part of the Prospect Park; Portsmouth Service Family Accommodation (SFA) as part of the Southsea Common; Dukeries Training Area East as part of the Thoresby Park; UK non-war graves as part of Bestwood Park Cemetery; HMS Raleigh as part of Antony RPG; Daws Hill as part of Wycombe Park; MOD installation as part of Mount Edgcumbe RPG and UK non-war graves as part of the Royal Victoria Country Park.
15. The MOD estate includes six Registered Battlefields in England. These are: the battlefields of Otterburn (1388) at Defence Training Estate (DTE) Otterburn; Stoke Field (1487) at RAF Syerston; Solway Moss (1542) at the Cumbria and Isle of Man Volunteer Estate; Edgehill (1642) at Defence Munitions (DM) Kineton; Hopton Heath (1643) at MOD Stafford and Chalgrove (1643) at Chalgrove Airfield.
16. Parts of the MOD estate lie within Local Planning Authorities (LPA) designated Conservation Areas. These include: Buckley Barracks (former RAF Hullavington); Cavalry Barracks, Hounslow; HMNB Portsmouth; Fort Blockhouse in the Haslar Peninsular Conservation Area, Fort Rowner, Royal Clarence Yard, and Mumby Road in Gosport; RAF Kenley, and Royal Military Academy (RMA) Sandhurst.
17. It is estimated that the MOD has in the region of 10,000 entries within local government Historic Environment Records. For example on Salisbury Plain Training Area alone there are 1640 unscheduled archaeological assets.

World Heritage Sites

18. The Department has estate within the boundaries of ten World Heritage Sites (WHS), detailed in Table 2. The MOD is a partner in the management of the Stonehenge and Avebury WHS (where work has recently been undertaken to remove 20th Century services infrastructure from within the inscribed boundary), as well as the St Kilda WHS. The aims and objectives of the Jurassic Coast WHS are reflected within the Lulworth Integrated Rural Management Plan (IRMP).
19. The MOD also sits on the Steering Group to nominate Chatham Dockyard and its associated defences for WHS status. The MOD is a major landowner in the area and a significant proportion of its land e.g. Brompton Barracks will fall within the boundary of the proposed WHS. A management plan has been drafted and a formal submission to UNESCO is anticipated within the next few years. The current submission for Chatham's WHS status was entered on 27th January 2012.

Table 2. MOD Estate within World Heritage Sites

World Heritage Site	MOD Estate
Cornwall and West Devon Mining Landscape. Cultural WHS.	RAF Portreath; RM Stonehouse; Hayle Cadet Hall; Craddock Moor and Caradon Hill, Bodmin Moor Training Camp; AFCO Redruth, Oak House and Redruth SFA, Graham Road Estate
Derwent Valley Mills. Cultural WHS	Belper ACF, Derbyshire Volunteer Estate
Edinburgh New and Old Towns. Cultural WHS.	Edinburgh Castle; AFCO Edinburgh, 67-83 Shandwick Place; VA Edinburgh, Argyle House and RAuxAF Centre, Learmonth Terrace
Liverpool Maritime Mercantile City. Cultural WHS	Walker House
The Tower Of London. Cultural WHS	Royal Guardroom and Royal Fusiliers Museum
Stonehenge, Avebury and Associated Sites. Cultural WHS	Larkhill Garrison and SFA; Larkhill SFA; Roberts Barracks and Salisbury Plain Training Area Larkhill TAC
Hadrian's Wall. Cultural WHS	DCSA Radio Anthorn; Newcastle UAS; RAF Spadeadam; Newcastle SFA (Wade Avenue); Albermarle Barracks; Eastriggs Storage Depot; Otterburn TA, Wark Forest and Kielder Forest TA
City Of Bath Cultural WHS	Bath SFA (Cedric Road); Warminster Road; DE&S Foxhill; DE&S Ensleigh and Bath TAC
St Kilda. Natural and Cultural WHS	St Kilda Main Sites
Jurassic Coast Natural WHS	Lulworth Camp and Training Area

Condition of the MOD Historic Estate

20. The condition of MOD's heritage assets are assessed on a regular basis, with listed buildings and scheduled monuments assessed on a four and five yearly basis respectively. The condition of listed buildings and scheduled monuments are included within the Department's suite of key sustainable development performance indicators and is reported within the annual MOD Sustainable Development Report and Action Plan.

Scheduled Monuments

21. Condition assessments of scheduled monuments are undertaken either by MOD Historic Environment Advisers or archaeological contractors. At 31 March 2013, 79% of MOD's scheduled monuments were either in good or fair condition. Since 2006 there had been significant improvement in the both the condition of scheduled monuments and the quality of data. The condition of MOD scheduled monuments each financial year since 2005/06 is at Table 3.

Table 3. The condition of MOD Scheduled Monuments since March 2006

Year	Good		Fair		Poor		Unknown		Total
2005/06	213	29%	237	33%	154	21%	121	17%	725
2006/07	272	38%	251	35%	159	22%	41	6%	723
2007/08	343	47%	217	30%	120	17%	42	6%	722
2008/09	343	47%	235	32%	150	20%	9	1%	737
2009/10	364	49%	222	30%	149	20%	2	<1%	737
2010/11	357	49%	224	30%	151	21%	2	<1%	734
2011/12	359	48.7%	222	30%	155	21%	2	<1%	738
2012/13	355	46.5%	250	32.8%	158	20.7%	0	0	763

Listed Buildings

22. Condition assessments (Quadrennial Inspections - QIs) for listed buildings are undertaken by specialist conservation consultants commissioned by MOD's estate suppliers. During the reporting period, 154 QIs were conducted with 139 QIs conducted in the previous two years. The number of QIs undertaken since 2003 is as follows:

2003/04	33
2004/05	4
2005/06	35
2006/07	36
2007/08	50
2008/09	27
2009/10	82
2010/11	57
2011/12	87
2012/13	67

23. Data on the condition of MOD listed buildings is obtained from both QI reports and condition assessments undertaken by MOD Historic Environment Advisers. In March 2013, 88% of MOD's listed buildings were in either good or fair condition. This continued the gradual trend in condition improvement and better data quality. However, in the last financial year there is a reported decline in condition and an increase in the number of "unknown" conditions as a result of increased budgetary constraints impacting on estate maintenance and condition assessments. The condition of MOD listed buildings each financial year since 2007 is at Table 4.

CASE STUDY: External Refurbishment of the Former Army Staff College, Sandhurst

The Staff College at Sandhurst was built in the mid 19th century as part of the army reforms and as additional investment in officer training. The distinguished architect, Sir James Pennethorne, designed the building which was completed in 1862. By the late 19th century an observatory had been added and in 1912 an upper storey was added.

By the late 20th century the weather and the wear and tear on the building had taken its toll. There were significant problems with the top flat lead roof and the upper storey, the stone and brick chimney stacks and elevations, and many of the timber sash windows, as well as the cast iron rainwater goods.

In order to remedy these problems a comprehensive repair programme was initiated. The result was that the flat lead roof was replaced with a new, insulated and ventilated sand cast lead covering. The Bath stone and stock brick elevations were repaired, which included cleaning and re-pointing with lime mortar. New Bath stone bottle balusters were installed which replaced the spalling pre-cast concrete balusters. The rain water goods have all been repaired or replaced. As well as the external facades, the rooms of the top floor have been refurbished to provide 27 rooms for single living accommodation, 11 with en-suite shower rooms.

In order to carry out the work a remarkably complex scaffolding system was constructed which allowed for an 'over-roof' to be in place for over two years. The scaffolding system was so unusual that other scaffolding specialists came to view the structure. The work could therefore continue through two winters of bad weather. The over-roof also allowed for the building itself to be used as offices throughout the work with a minimum of interference. The project was awarded the MOD's Heritage Projects Award at the Sanctuary Awards 2013.



Table 4. Condition of MOD Listed Buildings since March 2007

Year	Good		Fair		Poor		Unknown		Total
2007-09	489	61%	206	26%	87	11%	15	2%	797
2009-11	477	59%	210	26%	77	9%	51	6%	815
2011-13	519	61%	231	27%	69	8%	26	2%	845

Heritage at Risk

24. The MOD supported English Heritage in identifying the Heritage at Risk (HAR) assets on the MOD estate as part of its Heritage at Risk initiative. The 74 MOD HARs are listed at Annex B. Many of the 43 scheduled monuments 'at Risk' are located on the Training Estate (3 on Salisbury Plain, Wiltshire; 3 on Otterburn, Northumberland and 4 at Lulworth, Dorset), with a further 16 on Defence Science & Technology Laboratory (DSTL) land at Porton Down, Wiltshire.
25. HAR is, in part, managed within the Department's Integrated Rural Management Plan (IRMP) process with prioritised funding for improvement works sought through the Rural Elements of the Estate Strategy (REES) funding stream. The MOD has limited jurisdiction regarding HAR assets on its tenancy farm land, e.g. 7 HAR assets are on "Schedule 1" land on Salisbury Plain. However, MOD encourages its tenant farmers to work closely with English Heritage regarding the management of their HAR and to apply for Higher Level Stewardship funding from Natural England.
26. The English Heritage Biennial Conservation Report 2011 recorded 109 MOD assets as being 'Heritage At Risk' (HAR), this is an amalgamation of Buildings at Risk (BAR) and Monuments at Risk (MAR) which were reported in previous MOD and English Heritage Biennial reports. The MOD also has one entry on the Building at Risk Register for Scotland.
27. The English Heritage Biennial Conservation Report 2013 recorded 74 MOD assets as being 'At Risk' – a substantial reduction, resulting from disposals programmes, conservation programmes, and improved reporting regimes. The MOD had one entry on the Building at Risk Register for Scotland.
28. There were 16 new HAR entries for MOD in the 2011 EH report. These were Halton House, RAF Halton; Double Stone Hut Circle south of Deadlake Foot, Dartmoor; Prehistoric Settlement and post-medieval rabbit warren at Legis Tor, Dartmoor; Bindon Hill Camp, Lulworth; Flower's Barrow, Lulworth; George and Dragon Public House, Foulness; Ridgemarsh Barn, Foulness; Bakehouse/Brewhouse at Quay Farm, Foulness; Former Royal Naval Academy, Portsmouth; Fort Grange, Gosport; Fort Rowner, Gosport; Round Barrow Cemetery, Ewshot, Aldershot; linear training fortification, Woolwich; 18th-century water mill at Grasslees, Otterburn; Bell Barrow on Idmiston Down, Porton Down; Saucer Barrow north west of Idmiston Down, Porton Down.
29. The three new entries within the 2013 EH report were: Ernesettle Battery, Plymouth; Feltham House, London; and The Keep, Hounslow Cavalry Barracks.
30. 63 HARs cases were resolved during the reporting period and have been removed from the English Heritage HAR register. The HARs were resolved either through disposal (for example 14 listed buildings and one scheduled monument at RAF Bicester, and the listed building of Wrockwardine Hall) or through conservation work (such as the Bowl Barrow in Throop Clump, Bovington).
31. The MOD expects at least six monuments to be removed from the English Heritage HAR register as a result of condition improvement works or disposal. A progress report is at Annex C.

CASE STUDY: Heritage at Risk: Otterburn

There are 75 scheduled monuments on MOD land at Otterburn Ranges – nine of which were included on the first Heritage at Risk Register in 2008. Since then MOD have worked with English Heritage, Northumberland National Park Authority and Landmarc Support Services, its industry partner, to reduce, and ultimately remove, all the MOD Otterburn entries from the register.

At the time of writing there are five sites on the register for Otterburn, but English Heritage are satisfied that sufficient mitigation work has been undertaken on four of these sites to warrant their removal in the next edition of the register.

The remaining site; a large and prominent Bronze Age cairn, had previously been damaged by military activity which entailed re-arranging some of the stone make-up of the cairn for use as a defensive position. A baseline survey of the cairn was undertaken in 2009 and a protective fence has recently been erected around the cairn. Monitoring of its effectiveness will be undertaken at intervals.

A programme of monument condition survey has been established using the skills of trained volunteers from the local community and the Northumberland National Park Authority. After receiving a Range safety briefing the volunteers survey each of the designated monuments and fill in a condition report form. Their findings are double-checked by MOD and English Heritage staff who visit each of the sites considered to be in a poor condition. This is proving an excellent way of identifying the potential risks to each site and ensuring that measures are put in place to reduce their vulnerability.



New fencing protecting the cairn close to the Beacon

Estate Development and Rationalisation

32. The Department is committed to an estate that is of the right size to support the needs of the Armed Forces. Consequently there are a number of estate development initiatives underway at any particular time involving refurbishment, redevelopment and disposal, which will affect the historic environment. Any heritage assets are identified early in the development process and taken into account, with the relevant permissions and consents sought. This will continue to be the case for the foreseeable future, with the requirements of the Army Basing Programme being a major focus. A programme of English Heritage assessments of military sites placed within disposals regimes has been agreed. Significant estate development initiatives on-going during the reporting period include:
- a. **South Yard in HMNB Devonport.** Princess Yachts engaged with Plymouth City Council, the South West Development Agency and the MOD seeking to lease part of South Yard HMNB Devonport in order to set up a facility to build their new range of larger luxury yachts. After an initial lease Princess Yachts acquired the freehold in 2012. The sale included 10 listed buildings (including a Grade I, six at Grade II* and a BAR) and a scheduled monument.
 - b. **Aldershot Urban Extension.** This scheme is redeveloping surplus MOD land and will create 4,500 new homes, community facilities, schools and leisure facilities. The scheme incorporates 15 listed structures including the restoration and conversion of the Cambridge Military Hospital, currently a Building at Risk. The scheme is on-going with plans being put forward for restoration and development of the Cambridge Military Hospital.
 - c. **Bristol and Bath Accommodation Project.** This initiative saw MOD establishments in Bath closed and staff relocated to Abbey Wood in Bristol. As the Bath establishments are included within the boundary of the World Heritage Site, all sales, transfers and redevelopment of sites will have to consider the heritage value to the City. Site inspections were undertaken alongside GHEU and recording of quarrying works underneath MOD Foxhill were accomplished.

Disposals

33. The Department follows the DCMS, Office of Government Commerce, English Heritage guidance for Government Departments on *The Disposal of Heritage Assets* 2010. MOD Historic Environment Advisers and Service Heritage Branches have visibility of all potential disposals of land and property across the Department. Potential heritage issues are now identified at an early stage in the disposals process. All disposal programmes undertake sustainability appraisals which will also consider potential heritage issues. Possible disposals with heritage assets are highlighted to English Heritage for their prior assessment. Details of heritage related disposals during the reporting period are at Table 5.

Table 5. MOD Disposals, with heritage interests, during the reporting period

MOD Site	Heritage issues
RAF Bicester	14 listed buildings and 1 scheduled monument
Red House, Durrington, Wiltshire	Listed building sold in March 2010 has returned to residential use, with large area of land also sold for redevelopment.
Woolwich Garrison	St George's Garrison Church, Woolwich. Sold to a group who have obtained HLF funding for restoration works
RAF Bentley Priory	Central block sold. Part of site being turned into a museum and held by a Trust.
Devonport	Sale of part of South Yard, which included 10 listed buildings and a scheduled monument.

Strategy, Policy and Governance

34. Heritage is considered within the hierarchy of MOD governance structures from a high level including establishment level Historic Estate Working Groups at Portsmouth and Plymouth, and with groups such as Otterburn Heritage and conservation groups.
35. The Services have their own heritage committees chaired at a senior level, which consider heritage estate within their remit.
36. The Department was engaged and consulted on a number of Government heritage initiatives including:
 - National Planning Policy Framework (2012)
 - National Heritage Protection Plan England (2011)

Management Plans, Heritage Assessments and Data Management

37. Heritage issues are reflected within the MOD's various of estate management plans including:
 - a. Integrated Rural Management Plans (IRMPs), which have a historic environment component, continued to be rolled out across the rural estate in the UK and overseas in this reporting period although this process was curtailed in 2013 as a result of restructuring. IRMPs identify the historic assets on site and provide a positive framework for management and safeguards against potentially damaging activity. Each plan is updated annually and reviewed on a five yearly basis. IRMPs produced or in production during the reporting period were: Cape Wrath, Otterburn, Pendine, Salisbury Plain, Shoeburyness, and Tain
 - b. A number of Heritage Protection Agreements (HPA), Conservation Management Plans (CMP) and Conservation Statements (CS) have been or were in the process of being developed during the reporting period. These management plans inform the management of the heritage asset and any proposed change on the site. The sites covered during the reporting period were: Corsham Tunnels, HPA; Britannia Royal Naval College CMP; Royal Citadel Plymouth CMP; Halton House Registered Park and Garden CMP and updated Chicksands CMP
 - c. MOD also assisted with the drafting of the new Stonehenge and Avebury World Heritage Site Management Plan and this was signed off in this reporting period.

38. Within the planning system and under requirements set out within the National Planning Policy Framework (and equivalents within the Devolved Administrations), MOD estate projects are often required to undertake a heritage assessment. MOD estate related projects undertake Heritage assessment early in the project process as this reduces potential risk and additional expenditure. heritage assessments undertaken during the reporting period include: Eastern Infrastructure Project (EIP), Blackball Firs and Baden Clump training villages - all Salisbury Plain; D Range Small Arms Range Targeting System (SARTS), Bulford.

Historic Crashed Aircraft

39. Under conditions of the Protection of Military Remains Act 1986, the Joint Casualty and Compassionate Centre (JCCC) issues licenses to applicants wishing to excavate historic crashed aircraft. To promote best practice archaeological conditions are often appended to permissions. During the reporting period 50 licenses were issued, down from the 74 licenses issued during the previous reporting period. MOD is in the process of designing two case studies of crash site excavations which will be delivered to English Heritage in their redrafting of recovery guidance notes. A project team, including Operation Nightingale volunteers, assisted in the recovery of Liberator AL595 at Lyneham to establish project parameters.



RAF service button found at Lyneham

CASE STUDY: Operation Nightingale

Operation Nightingale is an initiative rolled out by MOD to aid the recovery of wounded military personnel and veterans by their involvement in archaeological field investigations and the post-excavation processes. Numerous projects have been undertaken, including high-profile campaigns at Barrow Clump on Salisbury Plain and at Albemarle Barracks on Hadrian's Wall.

Both of these projects have been undertaken in partnership with external archaeological organisations – at Barrow Clump with Wessex Archaeology and on Hadrian's Wall with the Tyne and Wear Archives and Museums' WallQuest team. Sites are selected on the basis of retrieving information which will help MOD and English Heritage enhance their understanding of the monument and, in so doing, inform MOD on the curation and stewardship of important sites on its Estate.

At Barrow Clump, the barrow has been home to a large badger population for a number of years and evaluation work by English Heritage showed that the network of passages was having a detrimental impact on the archaeology. Wessex Archaeology was employed to recover as much of the vulnerable Saxon cemetery and stratigraphy as possible from this 'At Risk' site with major discoveries being made by serving personnel including a wonderfully-preserved 6th century drinking vessel uncovered by Rifleman Rowan Kendrick which is now mentioned in the British Museum.



The Barrow Clump drinking vessel

At Albemarle, as we now know, the approach road to the barracks runs across part of the berm and ditch of Hadrian's Wall. The small areas of grassed ground available for investigation are often waterlogged as a result of surface water run-off from the nearby B6318. A preliminary investigation in August 2013 revealed evidence of the ditch to the north of the Wall, but failed to locate any of the pits, or cipi, which were dug on the berm as a further barrier to deter potential incursions and have been found further to the east. Colonel Al McCluskey, then of 5 Med Regiment, initiated the excavation and secured funding from an Army charity as a contribution towards the post-excavation process. Serving personnel worked alongside students from Newcastle University manually digging the topsoil of the berm, the upper layers of the ditch and the soil to the north of the berm. Notwithstanding some appalling weather conditions, the team produced some excellent results and further work on the site, hopefully to find evidence of the elusive cipi, is planned for summer 2014.

Operation Nightingale was the 2012 'Sanctuary' and MOD Heritage award winner.

Conclusion

40. Progress has continued to be made in the management of the MOD historic estate. Awareness of heritage issues within the Department has increased and its importance in supporting defence capability recognised. Heritage governance, policy, management plans and processes and data quality have all been further strengthened.
41. The austerity measures will continue to provide challenges for MOD heritage management. The effects are already being experienced with a decline in the condition of listed buildings and the scaling back of condition assessments as a result of budgetary constraints. As a result of the Strategic Defence and Security Review (SDSR) there are a number of significant estate change programmes in place and this will accelerate with the re-basing of Service personnel from Germany by 2020 coupled with further rationalisation. This will provide opportunities for sympathetic development and re-use of heritage assets.
42. These challenges will require the Department to work even closer with its heritage partners, sharing their collective limited resources and being creative in delivering sustainable solutions to the challenges ahead.

References

- *Biennial Conservation Report – the Government’s Historic Estate 2011-2013*, English Heritage 2013
- *Protocol for the Care of the Government Historic Estate 2009*, English Heritage, OGC, DCMS
- *The Disposal of Heritage Assets: Guidance note for Government Departments and NDPBs*, English Heritage, OGC, DCMS
- *MOD Sustainable Development Strategy and Delivery Plan 2011*



Photograph by Stewart Guy FMC MOD

ANNEX A. NEW LISTED BUILDING DESIGNATIONS

Building	Grade
Caernarfon Castle (Regimental Museum) (and Scheduled)	I
Triangulation Pillar, Beacon Hill, Bulford, Salisbury Plain	II
Building 67, WWI Sentry Post	II
Triangulation Pillar, Beacon Hill, Bulford, Salisbury Plain	II
Building 67, WWI Sentry Post	II
Building 106, WWI Sentry Post	II
Building 127, WWI Sentry Post	II
Building 219, WWI Sentry Post	II
The Rifles Berks and Wilts Regimental Museum, The Wardrobe, The Close, Salisbury	II
Alnwick Castle (2 rooms) - Army Museum	II
Thor missile sites at former RAF North Luffenham (St George's Barracks, North Luffenham)	II
Inner Breakwater with Victualling Store (Monkey Island - Portland Bill)	II
RAF Wittering: nuclear fissile core stores, buildings, A09, A10, A11, A14, A15, A27, Vw28,A29 and A33	II
Gaydon hangar at RAF Wittering	II
RAF Wittering: nuclear bomb store buildings Vw16, Vw17, Vw18, Vw20, Vw21 and A22	II
Electrical testing building A08 - RAF Wittering	II
Nuclear bomb loading crane - RAF Wittering	II
Armoury House, Finsbury Barracks, TA Centre, City Road, Finsbury	II
Blue Steel Servicing Facility, RAF Wittering	II
Caernarfon Barracks (TA Centre)	II
Davies Street W1 56/9; 69/66 17.1.75 No 50 (Running Horse Public House) and Nos 52-54 (MOD owned)	II
Barn to the East of St Andrew's Farmhouse	II
Boundary Stone, Hawkerland Valley, Aylesbeare, Devon	II
Bicton Common Milestone	II
Chimney stack, at SW 680 472, Cornwall	II
Lamp post in front of gateway, St George's Barracks, Mumby Road, Gosport	II
Appletree Cottage, Springfields Road, Nr Great Kingshill, Buckinghamshire	II
War Memorial West of the West Bastion of the Citadel (Plymouth)	II
Quarry Operations Centre (QOC) Murals	II

NEW SCHEDULED MONUMENT DESIGNATIONS

Building
Lodge Hill Anti-aircraft Battery
MOD Corsham Prime Minister's Rooms and Operations Rooms
MOD Corsham Radio Station
MOD Corsham Lamson Terminus Room and associated Fan Room
MOD Corsham GPO Telephone Exchange
MOD Corsham Kitchen, Canteen, Laundry, Dining and Washroom Areas
MOD Corsham Slope Shaft (Emergency Exit) A
MOD Corsham Personnel Lift (PL) 2
MOD Corsham Tunnel Quarry
MOD Corsham Quarry Working Areas in West Lung, Spring Quarry

ANNEX B. HERITAGE AT RISK ON MOD ESTATE IN ENGLAND

Forcing sheds at Chicksands Priory, Gd II listed, Category A, Bedfordshire
Infirmery Stables, Arborfield Garrison, scheduled monument, Berkshire
Halton House landscape, Gd II Registered park, Buckinghamshire
Garden Summerhouse, Curtilage listed, Category A, Buckinghamshire
Scraesdon Fort, scheduled monument & Gd II listed, Category C, Cornwall
Tregantle Fort, scheduled monument & Gd II listed, Category C, Cornwall
Prehistoric Stone Hut Circle Settlement, associated Field System and Two Round Cairns, Warcop Training Area, scheduled monument, Cumbria
Shieling 150m South of Tinkler Crags, RAF Spadeadam, scheduled monument, Cumbria
Ernesettle Battery (Ernesettle Fort), Defence Munitions Centre, scheduled monument, Plymouth, Devon
Fort Bovisand, Joint Service Sub Aqua Diving Centre, scheduled monument, Category D, Plymouth, Devon
Watch House Battery and ditch, Staddon Heights, scheduled monument, Category A, Plymouth, Devon
South Sawmills, Gd II* listed, Category E, Devonport, Devon
South Smithery, Gd II* listed, Category A, Devonport, Devon
Bindon Hill Camp, scheduled monument, Lulworth, Dorset
Round barrow cemetery on West Holme heath, 850m north-west of Hurst Mill, scheduled monument, Lulworth Gunnery School, Dorset
Flower's Barrow multivallate hillfort, scheduled monument, Lulworth, Dorset
Two 'Water Barrows' 650m WNW of Whiteway Farm: Part of a Round Barrow Cemetery, scheduled monument, Lulworth Gunnery School, Dorset
Cup Marked Rock 100m North of West Loups's, Cotherstone Moor, North Battlehill Training Area, scheduled monument, Durham
Cup, Ring and Groove Marked Rock 310m West of East Loups's, Cotherstone Moor, North Battlehill Training Area, scheduled monument, Durham
The Holland No.5, Protected Wreck Site, Category E, East Sussex
George and Dragon Public House, Gd II listed, Category C, Foulness, Essex
Ridgemarsh Farmhouse, Gd II listed, Category C, Foulness, Essex
Ridgemarsh Barn, Gd II listed, Category C, Foulness, Essex
Quay Farmhouse, Gd II listed, Category C, Foulness, Essex
Bakehouse/brewhouse at Quay Farmhouse, Gd II listed, Category C, Foulness, Essex
Sutton's Manor House, Gd II* listed, Category C, Shoebury, Essex
Feltham House, Gd II listed, Category C, Feltham, Greater London
The Keep, Hounslow Cavalry Barracks, Gd II listed, Category C, Greater London
The Rotunda, Gd II* listed, Category C, Woolwich, Greater London
Simon's Sundial Cottage, Gd II listed, Category C, Holcombe Moor, Greater Manchester

Former Royal Naval Academy, Gd II* listed, Category A, HM Naval Base Portsmouth, Hampshire
2-8 The Parade, Gd II* listed, Category A, HM Naval Base Portsmouth, Hampshire
Iron and Brass Foundry, Gd II* listed, Category C, HM Naval Base Portsmouth, Hampshire
No.25 Store, Gd II* listed, Category C, HM Naval Base Portsmouth, Hampshire
Number 6 Dock, scheduled monument and Gd I listed, Category C, HM Naval Base Portsmouth, Hampshire
Fort Elson, scheduled monument, Category A, Gosport, Hampshire
Fort Grange, scheduled monument, Category C, Gosport, Hampshire
Fort Rowner, Gd II listed, Category A, Gosport, Hampshire
Guardrooms, Haslar Gunboat Yard, scheduled monument, Category A, Gosport, Hampshire
Old Military Swimming Baths, Gd II listed, Category C, Aldershot, Hampshire
Cambridge Military Hospital, Gd II listed, Category C, Aldershot, Hampshire
The Orangery, Southwick House, Curtilage listed, Category A, Hampshire
Long barrow 400m South East of Moody's Down Farm, scheduled monument, Chilcombe Range, Hampshire
Three disc barrows on Longmoor Common, 250m North West of the Church, scheduled monument, Longmoor Camp, Hampshire
Chatham Lines (Brompton Lines) Brompton Barracks, scheduled monument, Kent
Dymchurch Redoubt, Hythe Ranges, scheduled monument, Kent
The London, The Nore, Thames Estuary, Protected Wreck Site, Kent
Hangars 2 and 3, RAF Scampton, Gd II listed, Category E, Lincolnshire
Lime Kiln, Stanta, listed Gd II, Category C, Norfolk
Crigdon Hill round Cairn, scheduled monument, Otterburn Northumberland
Round Cairn 230m west of Ridlees Cairn, scheduled monument, Otterburn, Northumberland
Round Cairn 340m west of the Beacon, scheduled monument, Otterburn, Northumberland
Oran House and Farmstead, Marne Barracks, listed Gd II, Category C, North Yorkshire
GPO telephone exchange, scheduled monument, Corsham, Wiltshire
Bell barrow 250m north-north-east of the sports ground; one of a group of round barrows north-west of Idmiston Down, scheduled monument, Porton Down, Wiltshire
Bell Barrow and Bowl Barrow 500m NNW of Long Orchard, scheduled monument, Porton Down, Wiltshire
Bell barrow, bowl barrow and section of hollow way 600m NNW of Long Orchard, scheduled monument, Porton Down, Wiltshire
Bell barrow, three bowl barrows and gas testing trenches on Idmiston Down, scheduled monument, Porton Down, Wiltshire
Bowl barrow 250m south of Martin's Clump, scheduled monument, Porton Down, Wiltshire
Bowl barrow 260m SSE of the southern corner of Moll Harris's Clump, scheduled monument, Porton Down, Wiltshire
Bowl barrow 440m SSW of the southern corner of Moll Harris's Clump, scheduled monument, Porton Down, Wiltshire

Bowl barrow 530m SSW of the southern corner of Moll Harris's Clump, scheduled monument, Porton Down, Wiltshire

Bowl barrow 535m SSW of the southern corner of Moll Harris's Clump, scheduled monument, Porton Down, Wiltshire

Bowl barrow 750m NNE of Easton Down farm, scheduled monument, Porton Down, Wiltshire

Bronze Age enclosure and two bowl barrows 520m North East of Moll Harris's Clump on Idmiston Down, scheduled monument, Porton Down, Wiltshire

Flint mines, linear boundary and two bowl barrows at Martin's Clump, scheduled monument, Porton Down, Wiltshire

Long barrow 140m WSW of the Battery Hill Triangulation Point, scheduled monument, Porton Down, Wiltshire

Saucer barrow 400m north-east of the sports ground: one of a group of round barrows north-west of Idmiston Down, scheduled monument, Porton Down, Wiltshire

Two bowl barrows 265m south of the southern corner of Moll Harris's Clump, scheduled monument, Porton Down, Wiltshire

Two disc barrows and two bowl barrows 900m north of Moll Harris' Clump on Idmiston Down, scheduled monument, Porton Down, Wiltshire

Horse Barrow, scheduled monument, Winterbourne Gunner, Wiltshire

Barrow Clump, bowl barrow, East of Ablington, scheduled monument, Salisbury Plain Training Area, Wiltshire

Enclosure and Linear Earthworks between Bishopstrow Down and South Down Sleight, scheduled monument, Salisbury Plain Training Area, Wiltshire

Three round barrows West of Netheravon Aerodrome, scheduled monument, Salisbury Plain Training Area, Wiltshire

ANNEX C. PROGRESS REPORT ON MOD MONUMENTS AT RISK IN ENGLAND AND DEVOLVED ADMINISTRATIONS

ASSET	County	Grade	Progress from April 2011 to March 2013
Scraesdon Fort, Antony Training Area	Cornwall	SM and listed Grade II	New access bridge in preparation with repair work to doors
Tregantle Fort, Antony Training Area	Cornwall	SM and listed Grade II	Repairs to internal windows and roof work on main barracks underway
The Rotunda, Woolwich Common	Greater London	Listed Grade II*	The building is now occupied by boxing gym
Chatham Lines (Brompton Lines), Brompton Barracks	Kent	SM	Now under the management of Holdfast PPPI
Dymchurch Redoubt, Defence Training Estate Hythe Ranges	Kent	SM	Extensive and almost complete phased repairs to the brickwork and terreplein
Hangars 2 and 3, RAF Scampton	Lincolnshire	Listed Grade II	Work on hangar door underway
Lime kiln, Defence Training Estate STANTA	Norfolk	Listed Grade II	Basic repairs to structure and over-roof

