



Baseline condition of the properties in the care of Scottish Ministers.



Purpose and Scope

This document sets out the condition of the properties in the care of Scottish Ministers at the point of delegation of their care to Historic Environment Scotland through the Scheme of Delegation provisioned by the Historic Environment Scotland Act 2014. It outlines the investment requirements. Whilst this was largely driven by the need for an accounting mechanism for the Board of HES and ultimately Ministers, the approach and methodology has been part of a broader change in how we manage our conservation work.

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1.0 Establishing a baseline condition for the properties in the care of Scottish Ministers.

This is the first time such a comprehensive analysis of condition has been completed for the Schedule of the properties in the care of Scottish Ministers. In developing a methodology we have been mindful of future strategic and operational needs, advancing technology around spatial data capture and condition survey in particular.

A mainstream facilities management approach is predicated on whole life costing and obsolescence of assets and usually uses cost as the core indicator. Our objective in managing cultural assets seeks to perpetuate the life and particularly cultural significance of our properties and therefore requires a different approach. Cost alone does not present an accurate indicator of condition in relation to such assets although it is imperative to understand this of course.

We have developed a measurable indicator for the condition of the properties in the care of Scottish Ministers which converts existing inspection data into a numeric quantity, against which future monitoring can take place.

The establishment of this baseline condition provides a rich data source that we are keen to develop further into a live database system that can then be interrogated on a number of levels at any point in time to provide a snapshot of condition, and monitor condition over a given time period.

There are many additional associated benefits to the creation of this live database that will improve our workflows and operational efficiencies in the management of the assets. This Condition Monitoring system is described in detail in the ***Condition Monitoring System for the properties in the care of Scottish Ministers document***.

In order to establish a baseline condition for the Properties in the care of Scottish Ministers we have calculated a **Monument Condition Indicator** for each of the properties. This attributes a numerical value to the levels of urgency and risk attached to each building element of work within the existing Condition Survey for each monument. This allows highly detailed comparisons to be undertaken and is extremely useful as part of a complex Asset Management system.

This is more robust than a simple 'number of repairs' measure which does not confer the scale of repairs required or the consequence if the repairs are not carried out. It also attributes

some weighting to the impact of no action on cultural significance that a straightforward 'cost of works' methodology takes no cognisance of. In effect, the system attributes a weighting factor to the conservation requirement to take account of the fact that not all elements listed in the Condition Surveys have the same urgency or consequence if they are not completed. This considers the wider implications on the monument of doing nothing, as distinct from simply the effect on the fabric, including risks for the cultural significance of historic fabric, archaeology, visitor access, visitor operations, business functions, agency reputation and health and safety impacts for staff and visitors.

We have looked carefully at other approaches to assessing condition. Stock facilities management systems count only the cost of works or the number of repairs required on a priority scale as indicators. Heritage assets require a different approach.

It should be noted that the process was applied to existing legacy condition data contained within reports and is not based on live condition data. Although some of the condition surveys are over five years old it was considered to be an acceptable measure of condition to determine a baseline, given the required programme and resources available to complete the task.

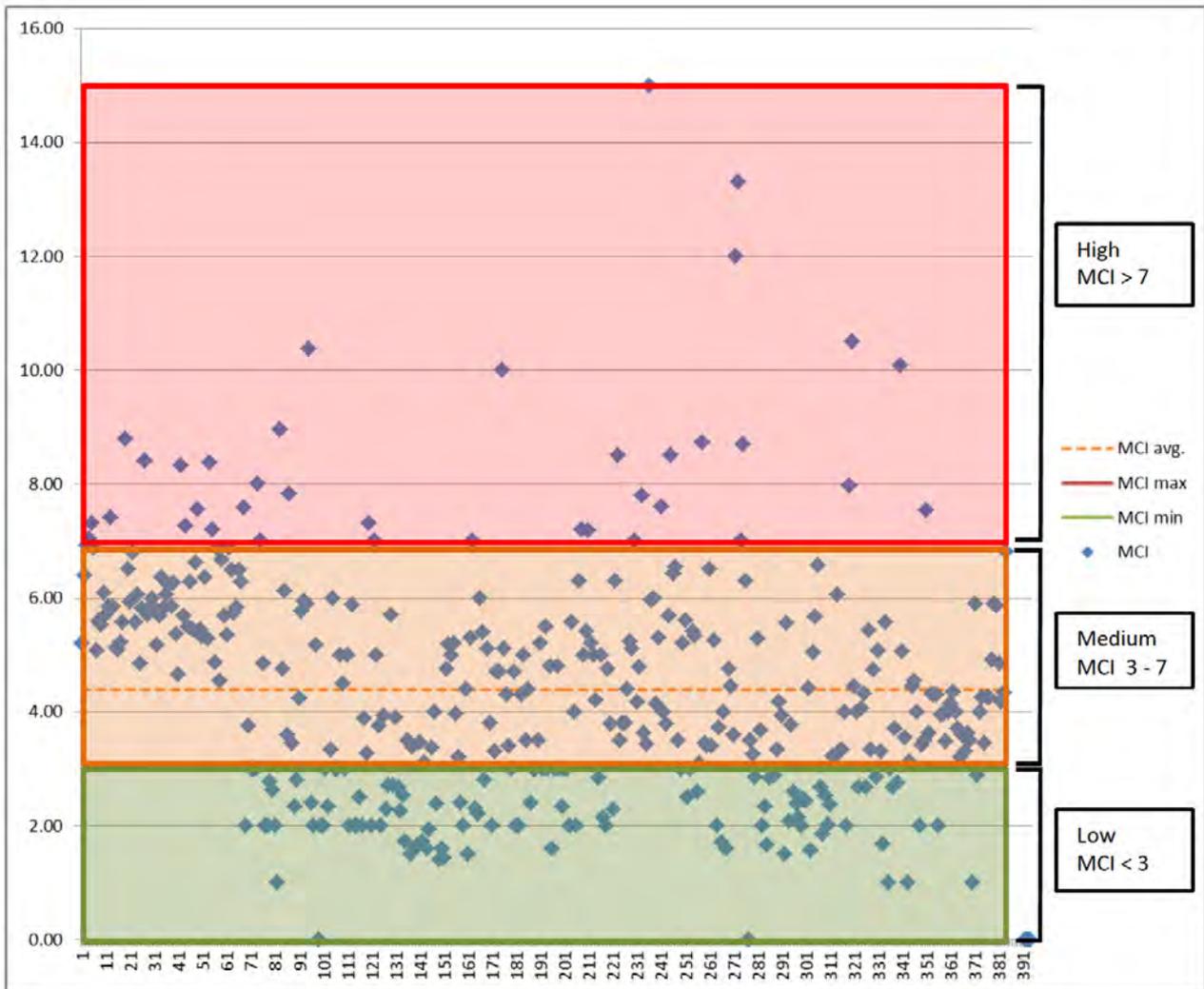
2.0 Baseline Condition of the properties in the care of Scottish Ministers

Monument Condition Indicators have been calculated for all properties in the care of Scottish Ministers as listed in section 5.0, using the methodology set out in section 3.0 below. These Condition Indicators have been expressed in four different ways to provide a better understanding of the complexities of the properties and to allow meaningful monitoring to take place in the future. The Monument Condition Indicator values are expressed and discussed below as:

- an average numerical figure
- high, medium and low distribution ranges
- regional distributions ranges
- monument type distribution ranges

2.1 Baseline condition expressed as an average MCI numerical value

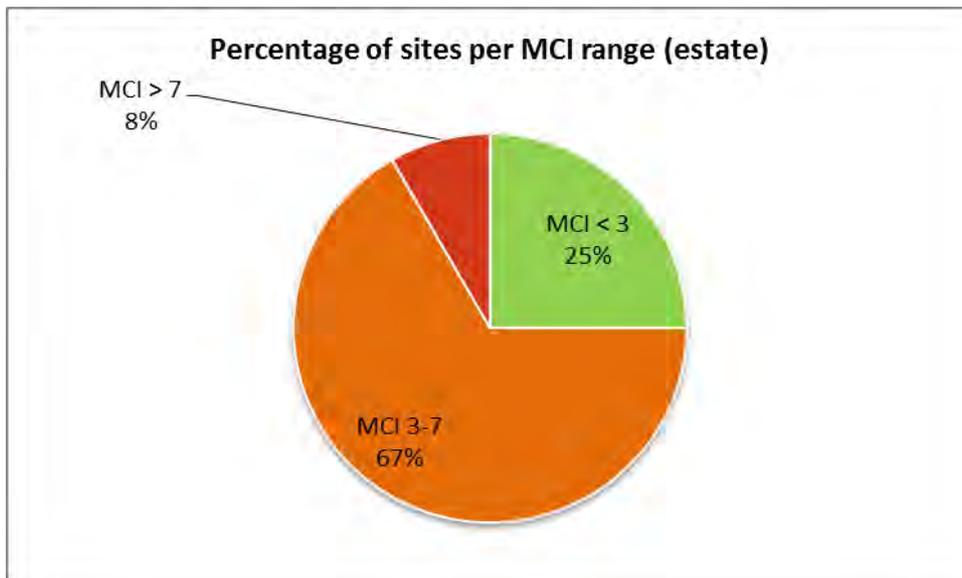
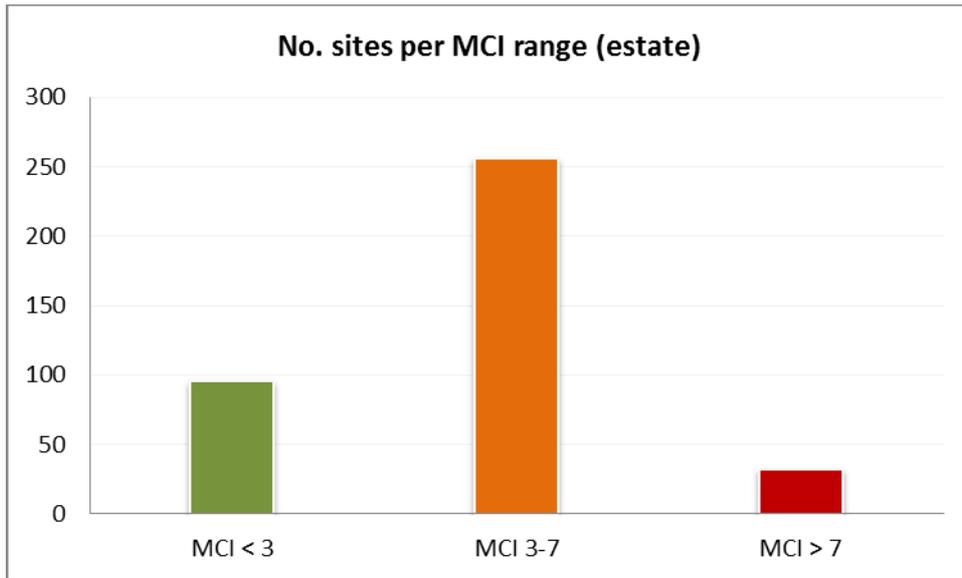
The range of Monument Condition Indicators across the properties in the care of Scottish Ministers is illustrated below. Generally, a high MCI indicates poor condition; a low MCI good condition. The Monument Condition Indicator range extends from 15 to 0 (high to low).



2.2 Baseline condition expressed as high, medium and low MCI ranges

By setting bands of MCIs that equate broadly to the values attributed to the low, medium and high risk definitions in the matrix established for the building element Condition Indicators set out in section 3 we can start to batch the sites into groups of similar condition. Following a national review of the data, levels of risk and the spread of the figures the ranges have been set as follows: high value where MCI of 7 or over; medium value between MCI 3 and 7; and low value MCI of 3 and under.

Almost 10% of the properties have a high MCI value above 7; 66% of the properties have an MCI value between 3 and 7; and 25% of the properties have a low MCI value of 3 or under.



Of the 32 high value MCIs over 7 (poor condition), there are 7 properties with an MCI value over 10. In descending order these are Links of Notland, Fort George Sea Wall, Ravelin Bridge Fort George, Iona Nunnery, Lochmaben Castle, Glenbuchat Castle and Cadzow Castle. These are monuments with serious and complex conservation issues where it has been necessary to pro-actively mitigate the risks.

At the other end of the spectrum the monuments with the lowest Monument Condition Indicator (0) are Knocknagael Boar Stone and Kildalton Cross. Four monuments share an Monument Condition Indicator of 1 namely Barochan Cross, Merkland cross, Kirkconnel Stones and Dunadd Hill Fort.



Lochmaben Castle (MCI 10.8)

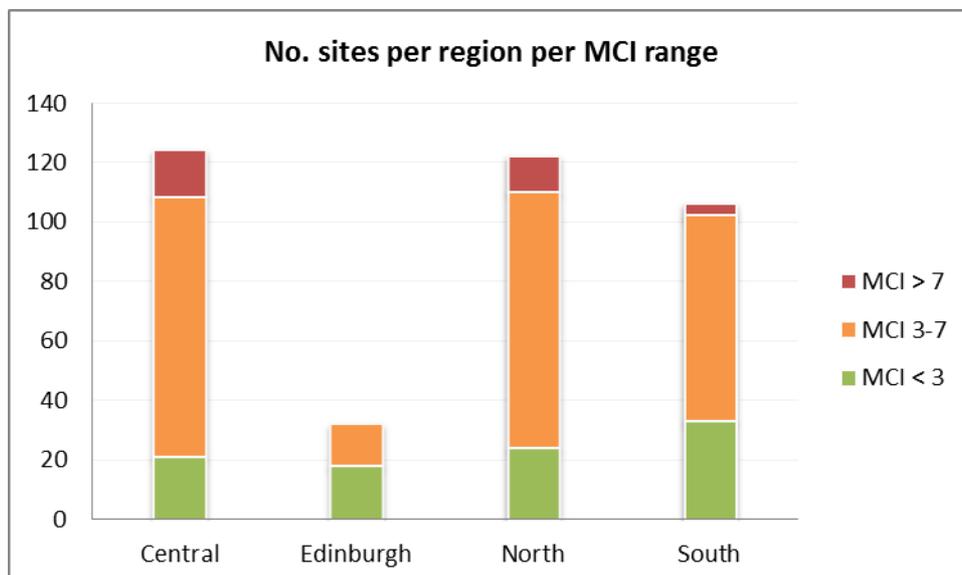


Fort George Sea Wall (MCI 13.3)

2.3 Baseline condition expressed as regional MCI distribution ranges

The properties in the care of Scottish Ministers are split into 4 operational regions: North, South, Central and Edinburgh. Data for each District has been collated into Regional and then a National picture. The tables below illustrate the Monument Condition Indicators graphically. The data correlates strongly with our working knowledge of the sites. There is significant potential for data analysis going forward.

The Monument Condition Indicator ranges across the regions are distributed as follows:



Region	MCI < 3	MCI 3-7	MCI > 7
Central	21	87	16
Edinburgh	18	14	0
North	24	86	12
South	33	69	4
Total	96	256	32

This breakdown allows us to consider the national spread of condition and begin to plot this spatially. This provides us with excellent baseline information on which to base works programmes and assess resource requirements across the regions

The distribution of the higher range MCI values in the central and north regions may reflect the more exposed properties and the impacts of climate change. One of the next steps is to link this condition dataset to climate change data and plot this spatially on a GiS based platform. This will assist in how we manage our assets and build resilience against the increasing threats of climate change.



Bothwell Castle (MCI 7.97)



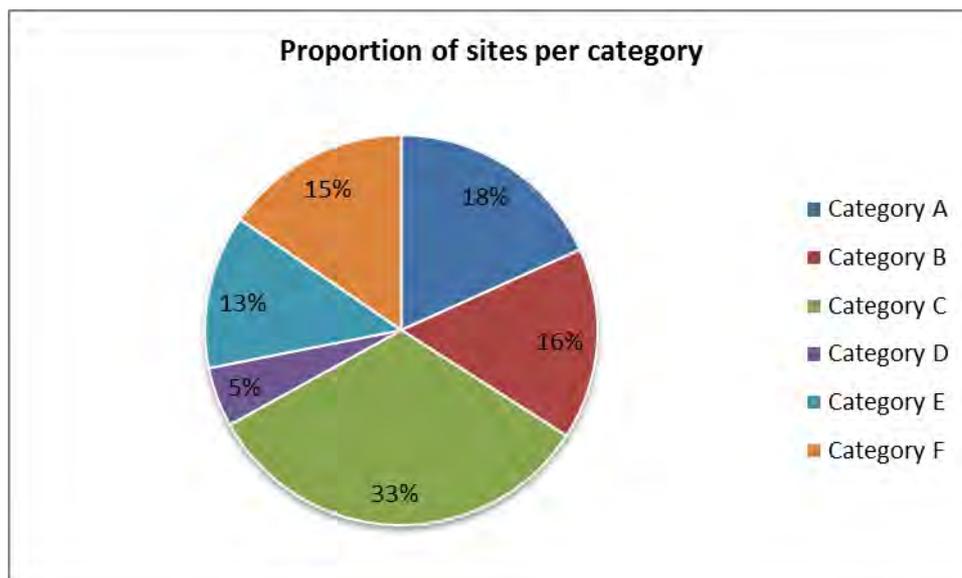
Dunadd hill fort (MCI 1)

2.4 Baseline condition expressed as monument type MCI distribution ranges

By breaking down the properties in the care of Scottish Ministers into 6 different categories of monument type and linking this to the MCIs, a more detailed picture of condition emerges, better representing the complexities of the estate.

The defined categories of monument type are:

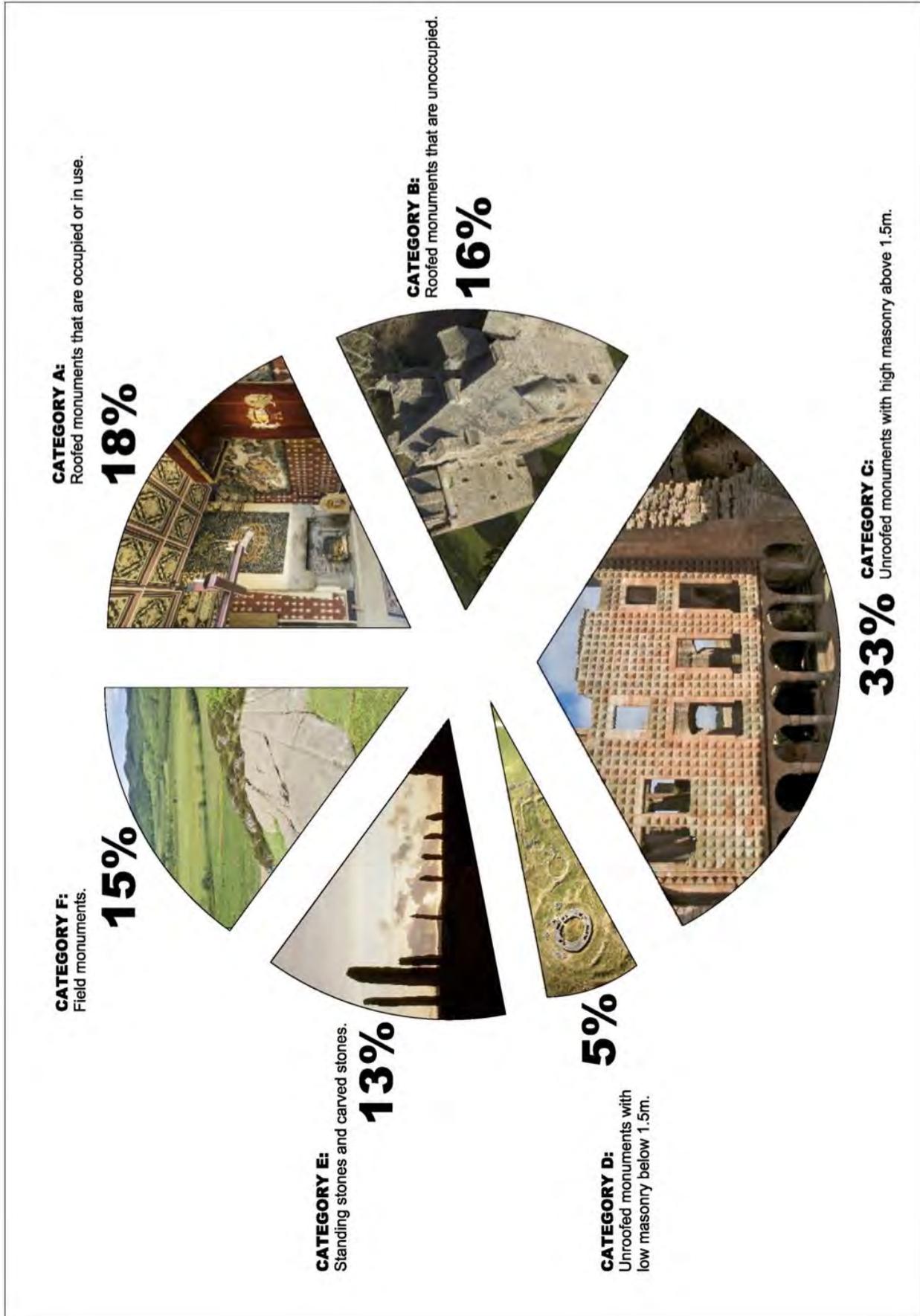
- A: Roofed monuments that are occupied or in use
- B: Roofed monuments that are unoccupied
- C: Unroofed monuments with high masonry above 1.5m
- D: Unroofed monuments with low masonry below 1.5m
- E : Standing stones and carved stones
- F: Field monuments

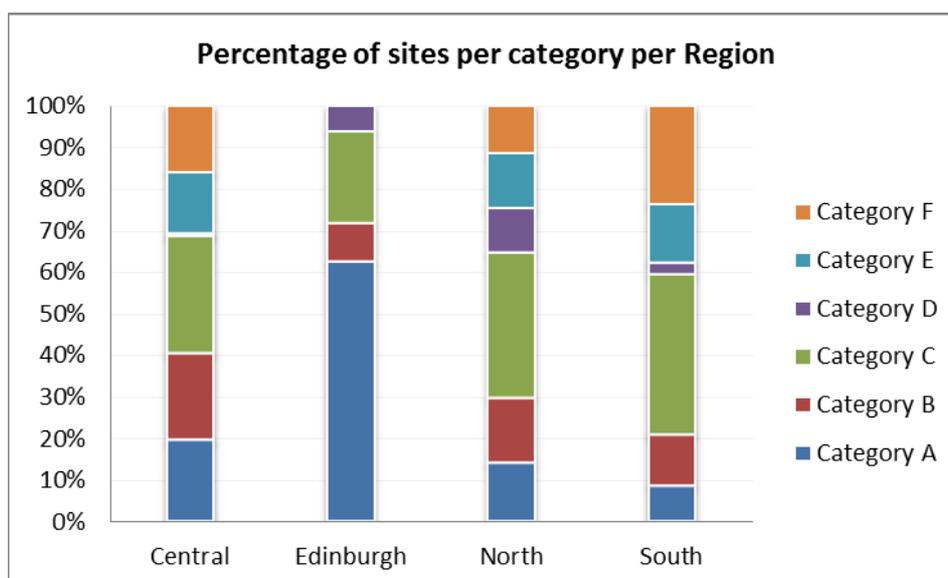


The properties in the care of Scottish Ministers can be split into three almost equal groups – roofed monuments (34%); unroofed monuments with high masonry (33%); and low masonry monuments, standing/ carved stones and field monuments.

Of the roofed properties there is an almost even split between those that are occupied and unoccupied. The majority of these category A sites are also staffed, which has implications for the care and management of these properties. The percentage split of category types across the regions shows a relatively uniform pattern of monument type spread apart from Edinburgh.



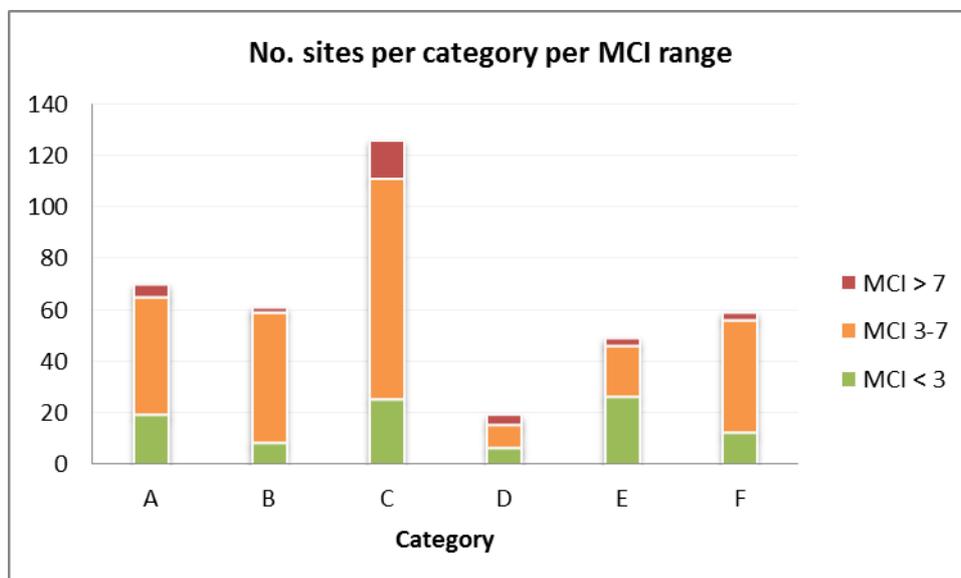
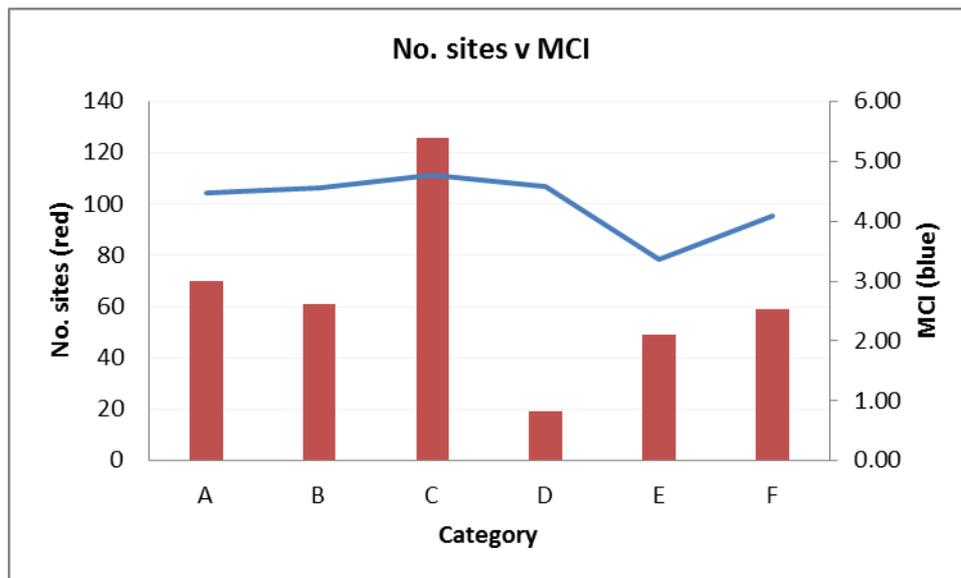




When read across to the Monument Condition Indicator bands of 3, 3-7 and 7 the data shows that the highest number of the poorest condition monuments are in Category C (19) with the next highest in category A (6).

The Monument Condition Indicator ranges for each of the categories is illustrated below:

Category	MCI < 3	MCI 3-7	MCI > 7
A	19	46	5
B	8	51	2
C	25	86	15
D	6	9	4
E	26	20	3
F	12	44	3

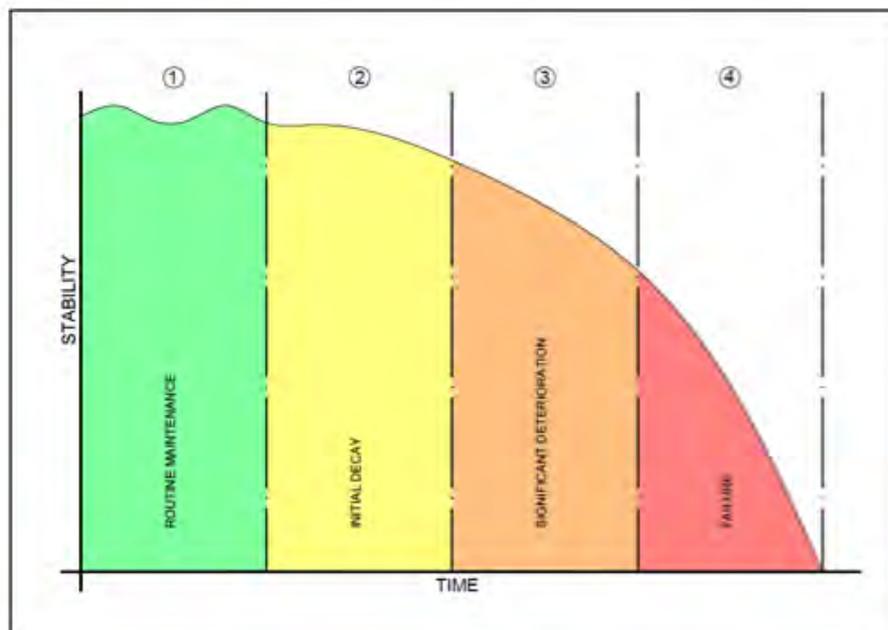


The highest Monument Condition Indicator values equate to Category C properties – unroofed high masonry monuments. Category C properties also have the highest number of MCIs in the range of 7 or above.

This is unsurprising as these are the most vulnerable monuments with high standing masonry and exposed wall heads like Caerlaverock Castle or Linlithgow Palace. These high standing remains are subject to continuous wetting and drying and freeze/ thaw cycles. These monuments were the focus of our recent high level survey programme in Oct – Mar 2014 to establish the condition of high and medium risk wall heads across the estate completed by UAV's (unmanned aerial vehicles), hydraulic platform and rope access teams.

2.5 The nature of decay and it's influence on our approach to conservation and management

For the most part, all things decay. Structures and buildings particularly are traditionally designed to shed water from above and resist it's penetration from surroundings - from below and from the sides. Water is not the only engine of decay of course and the effects of wind, pests and inappropriate repairs in the past can also be a significant challenge. A significant proportion of the estate we care for is in a ruinous or semi ruinous condition. The buildings have often lost the integrity of their design intent - whether vernacular or formal.

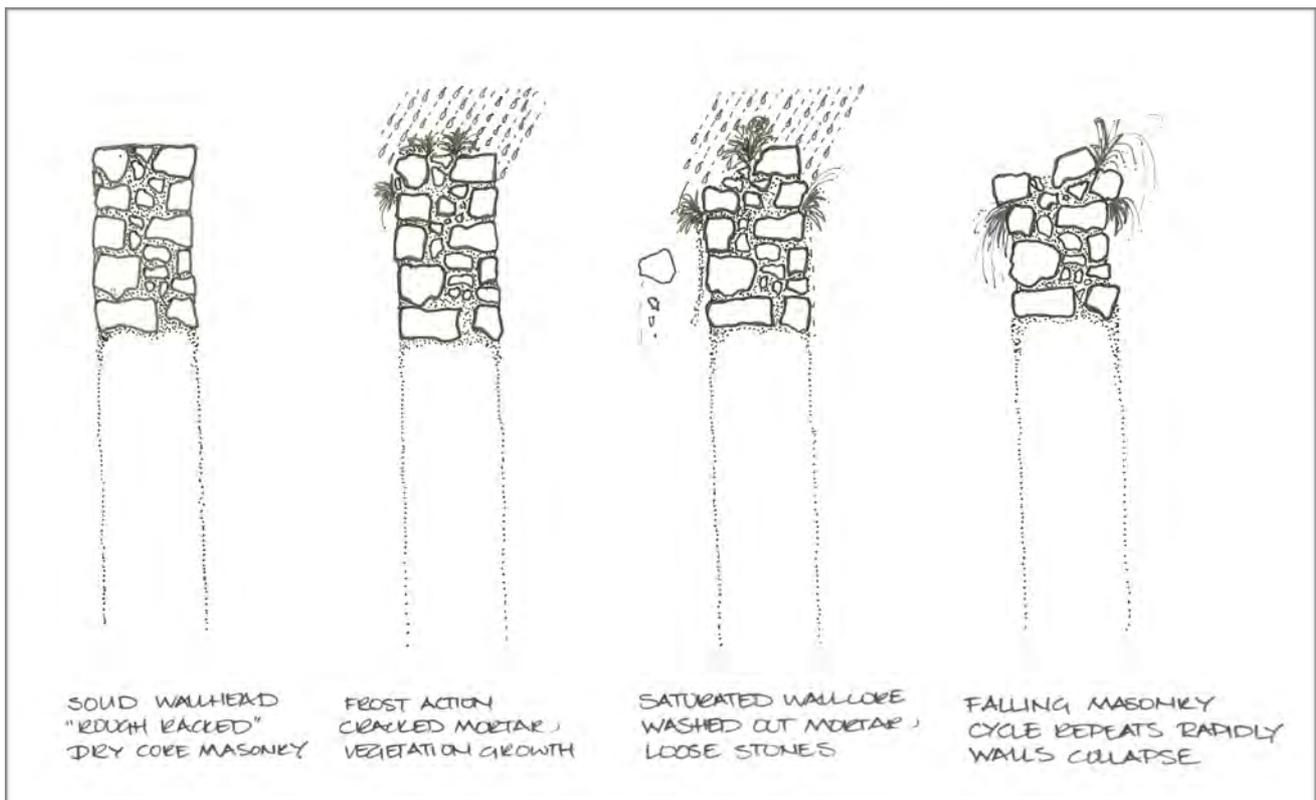


The conservation of un - roofed monuments in a temperate maritime climate where the levels of precipitation and extreme weather events have significantly increased in the last thirty years and are likely to do so further in the future present an ongoing challenge.

It is critical that repairs are completed in a timely manner before the rapid decline period to avoid collapse. A 'stitch in time, saves nine' principle is critical for these category C monuments as illustrated below. Relatively minor repairs completed on a regular maintenance basis will prevent much more major (and expensive) conservation repair work in the future.

When considering the condition of the estate it is therefore important to understand that for the most part the natural progression is one of deterioration. The decay of any building is of course

accelerated when regular and preventative maintenance does not take place, but consolidated



monuments are particularly susceptible to sharp and rapid failure as illustrated above. The four stages illustrated demonstrate that in considering monument condition we need to be alive to the fact that creeping movement towards a higher MCI rating will result in rapid decline for many monuments in a relatively short space of time.

3.0 Monument Condition Indicator Process

We have used the rich resource of information in the 384 monument Condition Surveys to develop an overall picture of the Properties in the care of Scottish Ministers condition.

The matrix-based procedure described below considers the present condition of the element, represented by the Urgency attributed to each item of work listed in the Condition Surveys, and the consequence of taking no action as a means of assessing the conservation requirements.

A numerical 'Urgency' value has been attributed to each of the items in the Condition Surveys. The work items currently listed in the Surveys are already rated by 3 levels: 'Urgent', 'Necessary' and 'Desirable'. This prioritises the need for repair from a conservation perspective.

The existing assessments in Condition Surveys are based on the following general definitions:

3	High	Urgent	1-2 year timescale
2	Medium	Necessary	2-5 year timescale
1	Low	Desirable	5-10 year timescale

The system attributes six levels of urgency to refine the assessments, and as defined below:

6	High	Urgent	Immediate
5		Urgent	Within next 6 months
4		Urgent	Within next 18 months
3	Medium	Necessary	Within next 2 years
2		Necessary	Within next 5 years
1		Necessary	Within next 5-10 years

A numerical 'Risk' value has been attributed to each of the items in the Condition Surveys where 'risk' has been defined as:

- a) loss of cultural significance or
- b) loss of physical access to the site.

This considers the wider implications on the monument of doing nothing, as distinct from simply the effect on the fabric. These impacts include risks for the cultural significance of historic fabric, archaeology, visitor access, visitor operations, business functions, agency reputation and health and safety impacts for staff and visitors. Three levels of risk have been attributed to each building element, defined as:

3	High	Serious	Very likely loss of historic fabric, cultural significance and access. Potential site closure.
2	Medium	Significant	Detrimental effect on the cultural significance, surrounding fabric and / or archaeology. No action now will mean repairs will cost more in the future due to lack of preventative action.
1	Low	Negligible	Little impact on the cultural significance or access to the monument at the time of survey. (Note: these items can develop over time to rise up the scale.)

A *Condition Indicator* is then calculated for each element in the Condition Survey:

$$\text{CONDITION INDICATOR} = \text{URGENCY} \times \text{RISK}$$

or

$$\text{CONDITION INDICATOR} = \text{CONDITION} \times \text{CONSEQUENCE OF NO ACTION}$$

Using the matrix below, each element gains a numeric score :

Urgency	Risk		
	1 (low)	2	3 (high)
1 (low)	1	2	3
2	2	4	6
3	3	6	9
4	4	8	12
5	5	10	15
6 (high)	6	12	18

The '*Monument Condition Indicator*' (MCI) is then derived by adding up all elemental condition indicator values to provide a Condition Indicator Total and dividing by the number of entries i.e. work elements.

$$\text{Monument Condition Indicator (MCI)} = \frac{\text{Condition Indicator Total}}{\text{Number of work items}}$$

4.0 Notes on the data gathering

This initial Baseline data is a measure of condition, but not a true reflection of the live condition of the properties in the care of Scottish Ministers as at October 2015. It is important to take cognisance of the data sources and methodology adopted.

The MCIs have been calculated by applying numerical factors to the existing legacy condition data contained within the 384 Condition Survey reports and are not based on live condition data. This task was undertaken as a desk based exercise and was only possible due to the unique detailed knowledge of the sites and their condition gained by our staff through carrying out the Condition Survey process, the Annual Audits and regular inspection regimes. This detailed, first-hand, in-house knowledge of each element allowed us to complete this assessment within six

months. This was necessary in order to meet the timescales required to satisfy the terms of the Scheme of Delegation.

Although some of the condition surveys are over five years old it was considered to be an acceptable measure of condition to determine a baseline, given the required programme and resources available to complete the task.

Some checks on the data have been applied to moderate the national spectrum and adjust known anomalies. However, there are still some known works that have been completed, but not recalculated, improving the condition of some monuments that have been captured and equally known new issues at some monuments that have necessitated partial closures since the date of the surveys.

As the system beds in it may also be necessary to incorporate some enhanced weighting or add a percentile presentation of the data sitting behind the MCI to individual scores to highlight individual elements where the loss of cultural significance would be extreme. The averaging of the Condition Indicators across a large number of elements within a particular monument can sometimes obscure the very high scoring condition indicators of a few individual elements.

It is important to understand the context :

- The assets that Scottish Ministers care for are often by their nature challenging to deal with. Culturally significant, often fragile, standing ruinous structures, often of massive proportions are always going to be challenging. They are often particularly susceptible to decay.
- Large scale investment of resources in conservation and consolidation (historically using Ministry of Works direct labour) deployed in the 1920s and 1930s and subsequent major campaigns have come to the end of their life.
- Many of the techniques and materials employed in monument conservation are very different now and have in some cases long term deterioration has resulted from original interventions.
- Increased climate change over the past twenty years has accelerated decay and will continue to do so.
- The costs of care have increased due to changes in working practices - access to high level monuments is much more expensive.

Each monument now has its own MCI value. It is important to note that each value will be dependent on the unique set of conditions, risks and constraints for that particular monument. MCIs, although collated and averaged, will not necessarily be comparable or improvements over time achievable across the entire estate. For example there will be some monuments where it will never be possible to ever achieve as low an MCI as at other monuments due to the underlying risks and constraints.

Therefore, a target range for an acceptable or optimal MCI value will be assigned to each monument on a monument by monument basis. This will reflect our knowledge of each monument, an understanding of its exposure to risk, vulnerability, decay mechanisms and our ambitions for its condition improvement over a set period of time.

The reporting in 2016 and subsequent years against this baseline must be caveated to include this non live data. All future monitoring against this baseline figure will also have to reflect the aspirations of the optimal ranges for individual monuments, rather than a single numeric comparison for the entire estate.

The monitoring regime of the MCI values over time is discussed in detail in the document *'Condition Monitoring System for the properties in the care of Scottish Ministers'*.

The number of monuments in the Schedule of properties in the care of Scottish Ministers differs from the number of Monument Condition Indicators included in this analysis. This exercise was based on existing Condition Surveys. There are multiple Condition Surveys

for some of the properties listed in the Schedule of properties in the care of Scottish Ministers. For example, Stirling Castle appears as one entry on the Schedule but for the purposes of the Condition Surveys is split into fourteen different Condition Surveys covering some twenty-seven buildings, and consequently fourteen different Monument Condition Indicators. An average for these sites could be determined and included, however for the purposes of this exercise the granularity in the data has been retained as it is really helpful for our understanding of the monument and for future operational planning. In total there are 384 Monument Condition Indicators based on 384 Condition Surveys, compared with 335 monuments listed in the Schedule of the properties in the care of Scottish Ministers.

5.0 Monument Condition Indicator data for the properties in the care of Scottish Ministers

PIC ID	Monument	Region	District	Category	MCI
PIC1	Aberdour Castle	Central	East	A	5.21
PIC2 & 3	Aberlemno Stones (Churchyard Cross Slab & Sculptured)	Central	East	E	6.40
PIC4	Abernethy Round Tower	Central	East	B	6.92
PIC5	Affleck Castle	Central	East	A	7.04
PIC6	Arbroath Abbey (incl Abbot's House)	Central	East	C	7.31
PIC8	Ardestie Souterrain	Central	East	F	6.88
PIC9	Balvaird Castle	Central	East	B	5.07
PIC10	Blackfriars Chapel, St Andrews	Central	East	C	5.59
PIC11	Brechin Maison Dieu	Central	East	C	5.53
PIC12	Brechin Round Tower	Central	East	B	6.09
PIC13	Broughty Castle	Central	East	A	5.71
PIC14	Burleigh Castle	Central	East	C	5.84
PIC15	Carlungie Souterrain	Central	East	F	7.41
PIC16	Castle Campbell	Central	East	B	5.84
PIC17	Caterthuns - Brown and White	Central	East	F	5.12
PIC18	Clackmannan Tower	Central	East	B	5.09
PIC19	Claypotts Castle	Central	East	B	5.22
PIC20	Culross Abbey	Central	East	C	5.57
PIC21	Dogton Stone	Central	East	E	8.80
PIC22	Dunfallandy Stone	Central	East	E	6.50
PIC23	Dunfermline Abbey Nave	Central	East	A	5.92
PIC24	Dunfermline Abbey Nether Yett	Central	East	C	6.80
PIC23	Dunfermline Palace	Central	East	C	5.58
PIC25	Dunkeld Cathedral	Central	East	C	6.06
PIC26	Eassie Cross Slab	Central	East	E	4.85
PIC27	Edzell Castle	Central	East	C	5.82
PIC69	Elcho Castle	Central	East	A	8.41
PIC71	Huntingtower Castle	Central	East	A	5.70
PIC28	Inchcolm Abbey	Central	East	B	5.82
PIC29	Lindsay Burial Aisle	Central	East	B	6.00
PIC30	Lochleven Castle	Central	East	C	5.83

PIC31	Meigle Stones & Museum	Central	East	A	5.17
PIC32	Ravenscraig Castle	Central	East	C	5.69
PIC33	Restenneth Priory	Central	East	C	6.37
PIC42	Scotstarvit Tower	Central	East	B	5.83
PIC34	St Andrews Castle	Central	East	C	6.06
PIC35	St Andrews Cathedral	Central	East	C	6.22
PIC35	St Andrews Precinct Walls	Central	East	C	5.84
PIC36	St Bridgets Kirk	Central	East	C	6.26
PIC37	St Mary's Church, Grandtully	Central	East	B	5.36
PIC38	St Mary's Church, Kirkheugh	Central	East	D	4.66
PIC39	St Orlands Stone	Central	East	E	8.33
PIC35	St Rules Church and Tower	Central	East	B	5.69
PIC40	St Serfs Priory, Lochleven	Central	East	C	7.26
PIC41	St Vigeans Stones & Museum	Central	East	A	5.50
PIC43	Stanley Mills	Central	East	A	6.29
PIC44	Sunnybrae Cottage	Central	East	B	5.45
PIC45	Tealing Dovecot	Central	East	B	6.62
PIC46	Tealing Souterrain	Central	East	F	7.56
PIC47	West Port, St Andrews	Central	East	C	5.44
PIC107	Argyll's Lodging	Central	Stirling	A	5.31
PIC57	Cambuskenneth Abbey	Central	Stirling	B	6.36
PIC108	King's Knot	Central	Stirling	F	5.29
PIC109	Mars Wark	Central	Stirling	C	8.38
PIC111	Stirling Castle Barrack Warden's House	Central	Stirling	A	7.20
PIC111	Stirling Castle Chapel Royal	Central	Stirling	A	4.87
PIC111	Stirling Castle Douglas Gardens + Powder Store	Central	Stirling	A	6.88
PIC111	Stirling Castle Grand Battery (incl Kitchen & Outer Close)	Central	Stirling	A	4.55
PIC111	Stirling Castle Great Hall	Central	Stirling	A	6.67
PIC111	Stirling Castle Guard House Square Buildings	Central	Stirling	A	5.69
PIC111	Stirling Castle King's Old Building	Central	Stirling	A	5.34
PIC111	Stirling Castle Main Guard House, Fort Major's House, Elphinstone Tower	Central	Stirling	A	6.87

PIC111	Stirling Castle Nether Bailey, Punishment Block & Wall Walk	Central	Stirling	A	6.49
PIC111	Stirling Castle North Gate	Central	Stirling	A	5.73
PIC111	Stirling Castle Outer Defences (incl Foreworks, French Spur & Overport Battery)	Central	Stirling	C	5.83
PIC111	Stirling Castle Queen Anne Gardens & Casemates	Central	Stirling	A	6.49
PIC111	Stirling Castle Whitehouse (Visitor Centre) & Esplanade	Central	Stirling	A	6.28
PIC110	Stirling Old Bridge	Central	Stirling	C	7.59
PIC48	Achnabreck Cup & Ring Mark Rocks	Central	West	E	2.00
PIC49	Ardchattan Priory	Central	West	C	3.75
PIC54	Ardoch Blackhill Roman Camps	Central	West	F	3.00
PIC50	Arduvie Roman Signal Station	Central	West	F	3.00
PIC51	Auchagallan Stone Circle	Central	West	E	3.00
PIC52	Ballygowan Cup & Ring Mark Rocks	Central	West	E	8.00
PIC53	Baluachraig Cup & Ring Mark Rocks	Central	West	E	7.00
PIC55	Bonawe Iron Furnace	Central	West	B	4.85
PIC56	Cairnbaan Cup & Ring Mark Rocks	Central	West	E	2.00
PIC59	Carn Ban Long Cairn	Central	West	F	2.00
PIC58	Carnasserie Castle	Central	West	C	2.77
PIC60	Castle Sween	Central	West	C	3.13
PIC62	Doune Castle	Central	West	B	2.00
PIC63	Dunadd Hill Fort	Central	West	F	1.00
PIC64	Dunblane Cathedral	Central	West	A	8.62
PIC65	Duncraiggaig Cairn	Central	West	F	4.75
PIC66	Dunstaffnage Castle	Central	West	B	6.12
PIC66	Dunstaffnage Chapel	Central	West	C	3.60
PIC67	Eileach-An-Naoimh	Central	West	C	7.83
PIC68	Eilean Mor	Central	West	C	3.45
PIC70	Fowlis Wester Cross Slab	Central	West	E	2.33
PIC72	Inchkenneth Chapel	Central	West	C	2.80
PIC73	Inchmahome Priory	Central	West	C	4.24
PIC74	Innerpeffrey Chapel	Central	West	B	5.76
PIC75	Inverlochy Castle	Central	West	C	5.94

PIC76	Iona Abbey	Central	West	A	5.90
PIC77	Iona Nunnery	Central	West	C	7.83
PIC78	Keills Chapel & Cross	Central	West	B	2.40
PIC79	Kilberry Sculptured Stones	Central	West	B	2.00
PIC80	Kilchurn Castle	Central	West	C	5.17
PIC81	Kildalton Cross	Central	West	E	0.00
PIC82	Kilmartin Crosses	Central	West	B	2.00
PIC83	Kilmartin Glebe Cairn	Central	West	F	2.00
PIC84	Kilmartin Sculptured Stones	Central	West	E	3.00
PIC85	Kilmichael Glassary Cup & Ring Mark Rock	Central	West	E	2.33
PIC86	Kilmodan Sculptured Stones	Central	West	B	3.33
PIC87	Kilmory Knap Chapel	Central	West	B	6.00
PIC88	Kilpatrick Dun	Central	West	F	3.00
PIC89	Kirkhill Roman Signal Station	Central	West	F	3.00
PIC90	Lochranza Castle	Central	West	C	5.00
PIC92	Machrie Moor Stone Circles	Central	West	E	4.50
PIC91	MacLean's Cross, Iona	Central	West	E	3.00
PIC93	Moss Farm Road Stone Circle	Central	West	E	5.00
PIC94	Muir O'Fauld Roman Watch Tower	Central	West	F	2.00
PIC95	Muthill Old Church and Tower	Central	West	C	5.88
PIC96	Nether Largie Mid Cairn	Central	West	F	2.00
PIC97	Nether Largie North Cairn	Central	West	F	2.00
PIC98	Nether Largie South Cairn	Central	West	F	2.50
PIC99	Ri-Cruin Cairn	Central	West	F	2.00
PIC101	Skipness Castle	Central	West	B	3.89
PIC102	Skipness Chapel	Central	West	C	3.27
PIC100	St Serfs Church, Dunning	Central	West	B	7.31
PIC103	Temple Wood Stone Circle	Central	West	E	2.00
PIC104	Torr A' Chaisteil	Central	West	F	7.00
PIC105	Torrylin Cairn	Central	West	F	5.00
PIC106	Tullibardine Chapel	Central	West	B	3.75
PIC222	Edinburgh Castle Argyle Battery	Edinburgh	Edin Castle	D	2.00
PIC222	Edinburgh Castle Argyle Tower	Edinburgh	Edin Castle	B	3.92
PIC222	Edinburgh Castle Backwell Yard	Edinburgh	Edin Castle	A	2.29
PIC222	Edinburgh Castle Butt's Battery	Edinburgh	Edin Castle	D	2.70

PIC222	Edinburgh Castle Coal Yard & Ticket Office	Edinburgh	Edin Castle	A	5.70
PIC222	Edinburgh Castle David's Tower & Half Moon Battery	Edinburgh	Edin Castle	B	2.71
PIC222	Edinburgh Castle Esplanade	Edinburgh	Edin Castle	C	3.90
PIC222	Edinburgh Castle Forewall Battery	Edinburgh	Edin Castle	C	2.67
PIC222	Edinburgh Castle Gatehouse	Edinburgh	Edin Castle	A	2.25
PIC222	Edinburgh Castle Govenors House	Edinburgh	Edin Castle	A	2.53
PIC222	Edinburgh Castle Great Hall	Edinburgh	Edin Castle	A	1.72
PIC222	Edinburgh Castle Lang Stair	Edinburgh	Edin Castle	C	3.50
PIC222	Edinburgh Castle Mills Mount Battery & Restaurant	Edinburgh	Edin Castle	A	1.50
PIC222	Edinburgh Castle New Barracks	Edinburgh	Edin Castle	A	3.38
PIC222	Edinburgh Castle North Museum	Edinburgh	Edin Castle	A	1.59
PIC222	Edinburgh Castle Old Ticket Kiosk	Edinburgh	Edin Castle	A	1.64
PIC222	Edinburgh Castle Palace Block	Edinburgh	Edin Castle	A	3.47
PIC222	Edinburgh Castle Piping School	Edinburgh	Edin Castle	A	1.73
PIC222	Edinburgh Castle Provost Marshalls House	Edinburgh	Edin Castle	A	3.11
PIC222	Edinburgh Castle Queen Anne Building	Edinburgh	Edin Castle	A	1.59
PIC222	Edinburgh Castle Queen Anne Vaults	Edinburgh	Edin Castle	A	1.94
PIC222	Edinburgh Castle Royal Scots Museum (Drill Hall)	Edinburgh	Edin Castle	A	3.37
PIC222	Edinburgh Castle Scottish National War Memorial	Edinburgh	Edin Castle	A	4.00
PIC222	Edinburgh Castle South Museum & Western Link Block	Edinburgh	Edin Castle	A	2.38
PIC222	Edinburgh Castle St Margaret's Chapel	Edinburgh	Edin Castle	A	1.41
PIC222	Edinburgh Castle Water Tanks & Foogs Gate	Edinburgh	Edin Castle	A	1.59
PIC222	Edinburgh Castle Western Defences	Edinburgh	Edin Castle	C	1.44
PIC223	Holyrood Abbey	Edinburgh	Holyrood	C	4.76
PIC224	Holyrood Park (Boundary Walls)	Edinburgh	Holyrood	C	5.18
PIC224	Holyrood Park (St. Anthony's Chap, Well & Cave)	Edinburgh	Holyrood	C	5.00
PIC223	Holyrood Park (St. Margerets Well)	Edinburgh	Holyrood	B	5.20
PIC225	Trinity House	Edinburgh	Holyrood	A	3.96

PIC226	Auchindoun Castle	North	Gramp/Shet	C	3.20
PIC227	Balvenie Castle	North	Gramp/Shet	C	2.40
PIC229	Brandsbutt Stone	North	Gramp/Shet	E	2.00
PIC230	Burghead Well	North	Gramp/Shet	F	4.40
PIC231	Cairn of Memsie	North	Gramp/Shet	F	1.50
PIC232	Clickhimin Broch	North	Gramp/Shet	C	5.30
PIC235	Corgarff Castle	North	Gramp/Shet	A	7.00
PIC233	Cullerlie Stone Circle	North	Gramp/Shet	E	2.30
PIC234	Culsh Earth House	North	Gramp/Shet	F	2.20
PIC236	Dallas Dhu Distillery	North	Gramp/Shet	A	6.00
PIC237	Deer Abbey	North	Gramp/Shet	D	5.40
PIC238	Deskford Church	North	Gramp/Shet	C	2.80
PIC239	Duff House	North	Gramp/Shet	A	5.10
PIC240	Duffus Castle	North	Gramp/Shet	C	3.80
PIC241	Dyce Symbol Stones	North	Gramp/Shet	E	2.00
PIC242	Easter Aquorthies Stone Circle	North	Gramp/Shet	E	3.30
PIC243, 228 & 244	Elgin Cathedral (Cathedral, Bishop's House + PansPort & Precinct Wall)	North	Gramp/Shet	B	4.70
PIC245	Fort Charlotte	North	Gramp/Shet	A	4.70
PIC246	Glenbuchat Castle	North	Gramp/Shet	C	10.00
PIC247	Huntly Castle	North	Gramp/Shet	C	5.10
PIC249	Jarlshof Prehistoric & Norse Settlement	North	Gramp/Shet	D	4.30
PIC250	Kildrummy Castle	North	Gramp/Shet	C	3.40
PIC251	Kinkell Church	North	Gramp/Shet	C	3.00
PIC252 & 253	Kinnaird Head Castle, Lighthouse & Wine Tower	North	Gramp/Shet	A	4.70
PIC254	Knock Castle	North	Gramp/Shet	C	2.00
PIC255	Loanhead of Daviot	North	Gramp/Shet	E	2.00
PIC256	Maiden Stone	North	Gramp/Shet	E	4.30
PIC257	Mousa Broch	North	Gramp/Shet	C	5.00
PIC258	Muness Castle	North	Gramp/Shet	C	3.50
PIC259	Ness of Burgi	North	Gramp/Shet	D	4.40
PIC248	Old Brig O'Dee	North	Gramp/Shet	C	2.40
PIC260	Peel Ring of Lumphanan	North	Gramp/Shet	F	3.00
PIC261	Picardy Symbol Stone	North	Gramp/Shet	E	3.00

PIC262	Scalloway Castle	North	Gramp/Shet	C	3.50
PIC263	Spynie Palace	North	Gramp/Shet	C	5.20
PIC265	St Machars Cathedral Transepts	North	Gramp/Shet	C	3.00
PIC266	St Mary's Church, Auchindoir	North	Gramp/Shet	C	5.50
PIC264	St Peter's Church, Duffus	North	Gramp/Shet	C	3.00
PIC267	Staneydale Temple	North	Gramp/Shet	F	4.80
PIC268	Sueno's Stone	North	Gramp/Shet	E	1.60
PIC269	Tarves Tomb	North	Gramp/Shet	D	3.00
PIC270	Tolquhon Castle	North	Gramp/Shet	C	4.80
PIC271	Tomnaverie Stone Circle	North	Gramp/Shet	E	3.00
PIC272	Arnol - Blackhouse No. 39	North	HighNth/Ork/WINth	C	2.33
PIC273	Arnol - Blackhouse No. 42	North	HighNth/Ork/WINth	B	3.00
	Arnol - Brown House	North	HighNth/Ork/WINth	B	3.00
	Arnol - White House	North	HighNth/Ork/WINth	A	2.00
PIC274	Beaully Priory	North	HighNth/Ork/WINth	B	5.58
PIC275	Bishops Palace, Kirkwall	North	HighNth/Ork/WINth	C	4.00
PIC276	Blackhammer Chambered Cairn	North	HighNth/Ork/WINth	D	2.00
PIC277	Broch of Gurness	North	HighNth/Ork/WINth	C	6.30
PIC278	Brough of Birsay	North	HighNth/Ork/WINth	D	7.20
PIC279	Cairn O'Get	North	HighNth/Ork/WINth	F	5.00
PIC280	Calanais Standing Stones	North	HighNth/Ork/WINth	E	5.42
PIC281	Carn Liath Broch	North	HighNth/Ork/WINth	C	7.19
PIC282	Castle of Old Wick	North	HighNth/Ork/WINth	C	5.20
PIC283	Click Mill, Dounby	North	HighNth/Ork/WINth	B	5.00
PIC284	Cnoc Freiceadain Long Cairn	North	HighNth/Ork/WINth	F	4.20
PIC285	Corrimony Chambered Cairn	North	HighNth/Ork/WINth	F	2.83
PIC286	Cubbie Row's Castle	North	HighNth/Ork/WINth	D	5.00
PIC287	Cuween Hill Chambered Cairn	North	HighNth/Ork/WINth	B	2.14
PIC288	Dun Carloway	North	HighNth/Ork/WINth	C	2.00
PIC289	Dun Dornaigil	North	HighNth/Ork/WINth	C	4.75
PIC290	Dwarfie Stane	North	HighNth/Ork/WINth	E	3.78
PIC291 & 319	Earl's Bu & St Nicholas Church, Orphir	North	HighNth/Ork/WINth	C	2.29
PIC292	Earl's Palace, Birsay	North	HighNth/Ork/WINth	C	6.30
PIC293	Earl's Palace, Kirkwall	North	HighNth/Ork/WINth	C	8.50
PIC294	Eynhallow Church	North	HighNth/Ork/WINth	C	3.50

PIC295	Fortrose Cathedral	North	HighNth/Ork/WINth	B	3.80
PIC296	Grain Earth House	North	HighNth/Ork/WINth	F	3.80
PIC297	Grey Cairns of Camster	North	HighNth/Ork/WINth	B	4.39
PIC306	Hackness Battery	North	HighNth/Ork/WINth	A	5.24
PIC306	Hackness Martello Tower	North	HighNth/Ork/WINth	B	5.10
PIC298	Hill O'Many Stanes	North	HighNth/Ork/WINth	F	7.00
PIC299	Hilton of Cadboll	North	HighNth/Ork/WINth	F	4.17
PIC300	Holm of Papa Westray Chambered Cairn	North	HighNth/Ork/WINth	B	4.78
PIC301	Knap of Howar	North	HighNth/Ork/WINth	D	7.80
PIC302	Knowe of Unstan Chambered Cairn	North	HighNth/Ork/WINth	B	3.62
PIC303	Knowe of Yarso Chambered Cairn	North	HighNth/Ork/WINth	D	3.43
PIC304	Links of Nolthland	North	HighNth/Ork/WINth	F	15.00
PIC305	Maes Howe Chambered Cairn	North	HighNth/Ork/WINth	B	5.96
PIC307	Mid Howe Broch	North	HighNth/Ork/WINth	C	6.00
PIC308	Mid Howe Chambered Cairn	North	HighNth/Ork/WINth	B	4.14
PIC309	Nolthland Castle	North	HighNth/Ork/WINth	B	5.30
PIC310	Peirowall Church	North	HighNth/Ork/WINth	C	7.60
PIC311	Quoyness Chambered Cairn	North	HighNth/Ork/WINth	B	4.00
PIC312	Rennibister Earth House	North	HighNth/Ork/WINth	F	3.78
PIC313	Ring of Brodgar	North	HighNth/Ork/WINth	E	5.69
PIC314	Skara Brae	North	HighNth/Ork/WINth	B	8.51
PIC316	St Clements Church, Rodel	North	HighNth/Ork/WINth	B	6.42
PIC317	St Magnus Church, Egilsay	North	HighNth/Ork/WINth	C	6.54
PIC318	St Mary's Chapel, Crosskirk	North	HighNth/Ork/WINth	C	3.50
PIC315	St Mary's Chapel, Wyre	North	HighNth/Ork/WINth	C	3.00
PIC320	Steinacleit Cairn & Stone Circle	North	HighNth/Ork/WINth	E	5.20
PIC321	Stones of Stenness	North	HighNth/Ork/WINth	E	5.60
PIC322	Taversoe Tuick Chambered Cairn	North	HighNth/Ork/WINth	D	2.50
PIC323	Tormiston Mill	North	HighNth/Ork/WINth	A	3.00
PIC323	Urquhart Castle	North	HighNth/Ork/WINth	C	5.42
PIC324	Westside Church, Tuquoy	North	HighNth/Ork/WINth	C	5.33
PIC325	Widford Hill Chambered Cairn	North	HighNth/Ork/WINth	E	2.60
PIC326	Ardclach Bell Tower	North	HighSth/FG/WISth	B	3.10
PIC328	Bridge of Oich	North	HighSth/FG/WISth	D	8.73
PIC327	Clava Cairns	North	HighSth/FG/WISth	F	3.44

PIC329	Dun Struan Beag	North	HighStH/FG/WISth	C	3.40
PIC330	Dun Telve	North	HighStH/FG/WISth	C	6.50
PIC331	Dun Troddan	North	HighStH/FG/WISth	C	3.40
PIC332	Fort George - Chapel	North	HighStH/FG/WISth	A	5.25
PIC332	Fort George - Chapel Store	North	HighStH/FG/WISth	A	2.00
PIC332	Fort George - Grand Magazine	North	HighStH/FG/WISth	A	3.72
PIC332	Fort George - Latrines	North	HighStH/FG/WISth	A	1.71
PIC332	Fort George - NAAFI	North	HighStH/FG/WISth	A	4.00
PIC332	Fort George - North Barrack Block	North	HighStH/FG/WISth	A	1.60
PIC332	Fort George - Outer Defenses	North	HighStH/FG/WISth	C	4.75
PIC332	Fort George - Points Battery	North	HighStH/FG/WISth	B	4.44
PIC332	Fort George - Ravelin & Ravelin Ditch	North	HighStH/FG/WISth	D	3.60
PIC332	Fort George - Ravelin Bridge	North	HighStH/FG/WISth	D	12.00
PIC332	Fort George - Sea Wall	North	HighStH/FG/WISth	C	13.30
PIC332	Fort George - South Casemates	North	HighStH/FG/WISth	A	7.00
PIC332	Fort George - Water Tower	North	HighStH/FG/WISth	A	8.70
PIC333	Kisimul Castle	North	HighStH/FG/WISth	A	6.30
PIC334	Knocknagael Boar Stone	North	HighStH/FG/WISth	E	0.00
PIC335	Ruthven Barracks	North	HighStH/FG/WISth	C	3.50
PIC129	Blackness Castle	South	East	A	3.26
PIC130	Cairnpapple Hill	South	East	F	2.85
PIC131	Castlelaw Hill Fort	South	East	F	5.29
PIC132	Chesters Hill Fort	South	East	F	3.67
PIC133	Corstorphine Doocot	South	East	B	2.00
PIC134	Craigmillar Castle	South	East	C	2.34
PIC135	Crichton Castle	South	East	C	1.66
PIC136	Crosskirk, Peebles	South	East	C	2.83
PIC137 & 138	Dere Street Roman Road (Nth & Sth)	South	East	F	3.00
PIC139	Dirleton Castle	South	East	C	2.89
PIC140	Doon Hill	South	East	F	3.33
PIC141	Dryburgh Abbey	South	East	C	4.17
PIC142	Dunglass Collegiate Church	South	East	B	3.93
PIC143	Eagle Rock	South	East	E	1.50
PIC144	Edin's Hall Broch	South	East	F	5.56

PIC145	Edrom Church Norman Arch	South	East	E	2.08
PIC146	Foulden Tithe Barn	South	East	B	3.77
PIC147	Greenknowe Tower	South	East	C	2.59
PIC148	Hailes Castle	South	East	C	2.38
PIC149	Hermitage Castle	South	East	C	2.15
PIC149	Hermitage Chapel	South	East	D	2.00
PIC150	Jedburgh Abbey	South	East	C	2.46
PIC151	Kelso Abbey	South	East	C	2.43
PIC152	Kinneil House	South	East	B	4.42
PIC153	Lauderdale Aisle	South	East	A	1.56
PIC154	Linlithgow Palace	South	East	C	5.05
PIC155	Linlithgow Peel & Park	South	East	F	5.67
PIC156	Mavisbank Policies	South	East	F	6.57
PIC157	Melrose Abbey	South	East	C	2.67
PIC158	Ormiston Cross	South	East	E	1.86
PIC159	Preston Cross	South	East	E	2.53
PIC160	Seton Collegiate Church	South	East	B	2.02
PIC161	Smailholm Tower	South	East	A	2.37
PIC162	St Martin's Church, Haddington	South	East	C	3.23
PIC163	St Triduana's Aisle	South	East	B	3.20
PIC164	Tantallon Castle	South	East	C	6.06
PIC165	Torphichen Perceptory	South	East	B	3.32
PIC166	Westquarter Dovecot	South	East	B	3.33
PIC180	Barsalloch Fort	South	South West	F	4.00
PIC181	Big Balcraig & Clachan Cup & Ring Mark Rocks	South	South West	E	2.00
PIC114	Bothwell Castle	South	South West	C	7.97
PIC115	Cadzow Castle	South	South West	C	10.50
PIC182	Caerlaverock Castle	South	South West	C	4.44
PIC183	Cairn Holy 1	South	South West	E	4.00
PIC184	Cairn Holy 2	South	South West	E	2.67
PIC185	Cardoness Castle	South	South West	C	4.06
PIC186	Carsluith Castle	South	South West	C	4.32
PIC188	Chapel Finian	South	South West	D	2.67
PIC189	Crossraguel Abbey	South	South West	C	5.43
PIC190	Druchtag Motehill	South	South West	F	3.33

PIC191	Drumcoltran Tower	South	South West	B	4.73
PIC192 &193	Drumtroddan Cup & Ring Mark Rocks and Drumtroddan Standing Stones	South	South West	E	2.85
PIC194	Dundonald Castle	South	South West	C	5.07
PIC195	Dundrennan Abbey	South	South West	C	3.30
PIC196	Glenluce Abbey	South	South West	C	1.68
PIC197	Kilwinning Abbey	South	South West	C	5.57
PIC198	Kirkconnel Stones	South	South West	E	1.00
PIC199	Kirkmadrine Stones	South	South West	B	3.00
PIC200	Laggangairn Stones	South	South West	E	2.67
PIC201	Lincluden Collegiate Church	South	South West	C	3.70
PIC202	Loch Doon Castle	South	South West	C	2.75
PIC203	Lochmaben Castle	South	South West	C	10.08
PIC204	MacLellan's Castle	South	South West	C	5.06
PIC205	Maybole Collegiate Church	South	South West	C	3.54
PIC206	Merkland Cross	South	South West	E	1.00
PIC208	Morton Castle	South	South West	C	3.13
PIC209	New Abbey Corn Mill	South	South West	A	4.45
PIC210	Orchardton Tower	South	South West	C	4.54
PIC211	Rispain Camp	South	South West	F	4.00
PIC213	Ruthwell Cross	South	South West	E	2.00
PIC214	St Ninian's Cave	South	South West	F	3.42
PIC215	St Ninian's Chapel	South	South West	C	3.50
PIC216	Sweetheart Abbey & Precinct Walls	South	South West	C	7.54
PIC217	Threave Castle	South	South West	C	3.62
PIC218	Torhouse Stone Circle	South	South West	E	4.32
PIC220	Whithorn Priory	South	South West	C	4.30
PIC219 & 207	Whithorn Priory Crosses (& Museum)	South	South West	A	4.30
PIC221	Wren's Egg	South	South West	E	2.00
PIC167	Antonine Wall - Bantaskin	South	West	F	3.94
PIC168	Antonine Wall - Bar Hill	South	West	F	3.96
PIC169	Antonine Wall - Bearsden	South	West	D	3.48
PIC170	Antonine Wall - Castlecary Fort	South	West	F	4.00
PIC171	Antonine Wall - Croy Hill	South	West	F	4.14
PIC172	Antonine Wall - Dullatur	South	West	F	4.35

PIC173	Antonine Wall - Garnhall	South	West	F	4.00
PIC174	Antonine Wall - Kirkintilloch	South	West	F	3.71
PIC175	Antonine Wall - Rough Castle	South	West	F	3.21
PIC176	Antonine Wall - Seabeags Wood	South	West	F	3.59
PIC177	Antonine Wall - Tollpark	South	West	F	3.30
PIC178	Antonine Wall - Watling Lodge	South	West	F	3.62
PIC179	Antonine Wall - Watling Lodge West	South	West	F	3.50
PIC112	Barochan Cross	South	West	E	1.00
PIC113	Biggar Gas Works	South	West	A	5.90
PIC116	Castle Semple Collegiate Church	South	West	C	2.88
PIC117	Coulter Motte	South	West	F	4.00
PIC118	Craignethan Castle	South	West	C	4.26
PIC119	Crookston Castle	South	West	C	3.45
PIC120	Dumbarton Castle	South	West	A	4.25
PIC121	Glasgow Cathedral	South	West	A	4.25
PIC122	Newark Castle	South	West	A	4.91
PIC123	Rothesay Castle	South	West	C	5.90
PIC124	Skelmorlie Aisle	South	West	B	5.86
PIC125	St Blanes's Church	South	West	C	4.85
PIC126	St Bride's Church	South	West	B	4.18
PIC127	St Mary's Chapel, Rothesay	South	West	B	4.33
PIC128	Wanlockhead Beam Engine	South	West	C	6.81

