

HIGH-LEVEL TACTILE INSPECTIONS

SAMPLING PHASE 1
REPORT
MacLellan's Castle
PIC204



HISTORIC
ENVIRONMENT
SCOTLAND

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CONTROL SHEET

Document Control

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HLTI Sampling: Report - Introduction



PIC ID # ↓	PIC204	Site name	MacLellan's Castle		
Inspection start	16/08/2021	Inspection end	17/08/2021	Submission	17/09/2021
Lead HBFA	[REDACTED]				
Sample Inspectors	[REDACTED]				

Introduction:

As a result of findings on the first four full site High Level Tactile Inspections, SMT endorsed an accelerated programme that will see high-level tactile sample inspection carried out initially to 16 sites identified as having a high risk potential.

Sample inspection for MacLellan's Castle was carried out in accordance with HES Management of Risk presented by High-level Fabric Policy and High level Tactile Inspection Procedures.

Tactile inspections of three sample areas, North East elevation adjacent Castle Bank, North West elevation of the Ice House and North West elevation above the main entrance (agreed in advance by the T1 team and the Region) were completed using a MEWP. Time and the availability of the MEWP allowed a further two areas to be partially inspected, following discussion with the Works Manager. These were South East elevation of Kitchen and South West and North West walls around rear entrance. Sample Area C was also extended.

HLF Inspection Risk Matrix:

HES-T1C-HLF-RAS-X-X-V0200-RiskMatrix

Consequence \ Probability		1	2	3	4	5
		No injury	Minor injury	Moderate injury	Major injury	Fatal or life-altering injury
5	Fabric fall almost certain	5	10	15	20	25
4	Fabric fall highly likely	4	8	12	16	20
3	Fabric fall likely	3	6	9	12	15
2	Fabric fall unlikely	2	4	6	8	10
1	Fabric fall highly unlikely	1	2	3	4	5

RISK RATING	RISK SCORE RANGE
High	15-25
Medium	10- 14
Low	1-9

HLTI Sample Areas:

Area:	Colour:	Sample Area Name:
A	[REDACTED]	North East Elevation djacent to Castle Bank

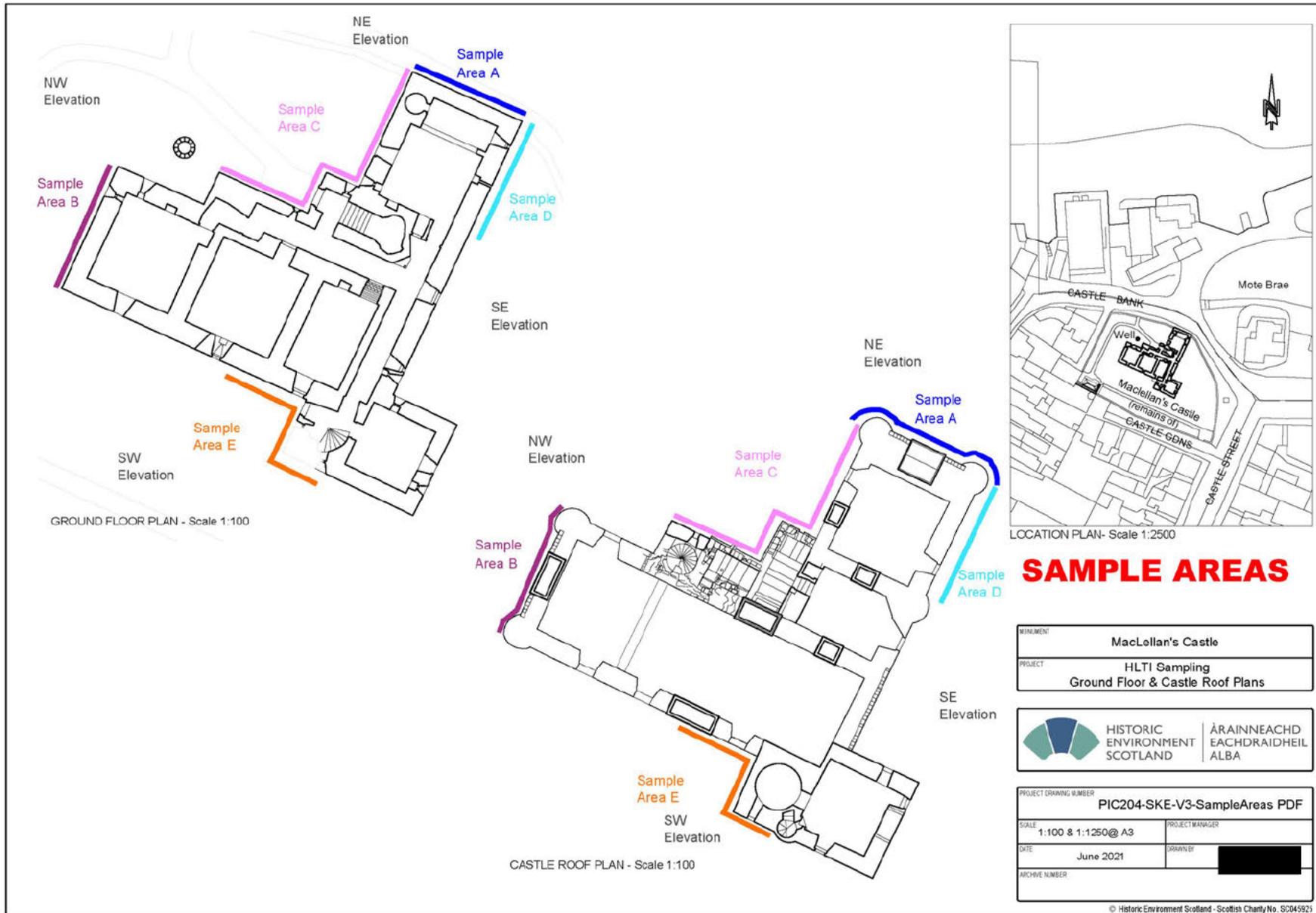
HLTI Sampling: **Report - Introduction**



B		North West Elevation of Ice House
C		North West Elevation
D		South East Elevation
E		South West Elevation



Click on link to open drawing in PDF viewer: [PIC204-SKE-V3-SampleAreas](#)



HLTI Sampling: Report - Summary dashboard



PIC ID#	PIC204	Submission	17/09/2021
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Select Sample area of which data should be displayed ↓	All areas	Number of observations	75
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Identified Risk



Residual Risk



Inspection Action:

Class V Report = Fabric detached during tactile inspection	Access Restriction = Risk of fabric falling and causing harm			Monitor Observation / Plan Repairs = No immediate action
	High = Full site closure	Medium = Partial site closure	Low = Minor access restriction	
15	0	0	1	59

Inspection types:	Tactile	75	Visual	0
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Key comments:

Substantial stones were found to be loose on the wall head on Sample Area A above the public road and these were removed for safety. These stones were of sufficient size to have the potential to cause major injury or death if they had fallen.

There were several examples of cracked and partially or fully detached stones within the external walls leading to a number of these being removed under Class V consent for safety. This type of defect appears to be a pattern of the stone type that the Castle was built from, which was consistent, with only occasional variations of stone type.

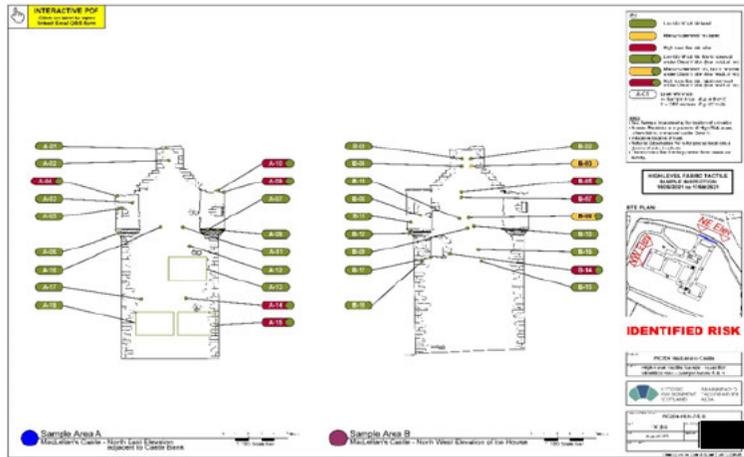
An un-monitored crack was noted travelling vertically from the window opening in Sample Area B and several cracked and decaying lintels were also noted in the Bartizans. These items were notified to the District Architect and HES Engineers, for their information and assessment.

There was notable weed growth on the elevations inspected and this was removed, where possible and practical, during the high level tactile inspection.



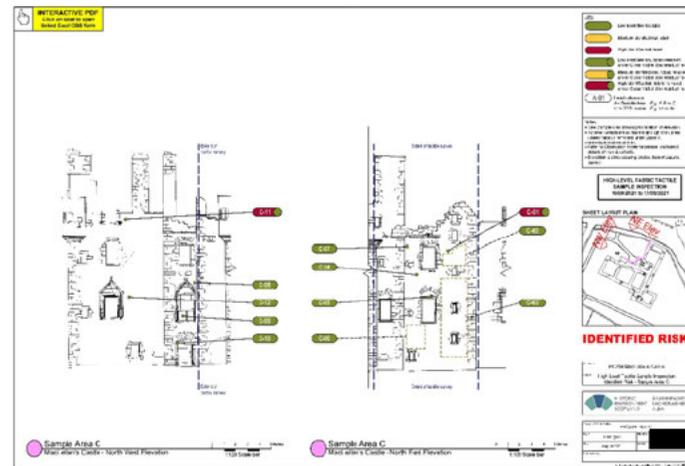
Click on link below image to open Interactive PDF in PDF viewer. In PDF viewer, the drawing is an interactive PDF, click on the labels to open the relevant OBS form for further information.

Sample Areas A & B



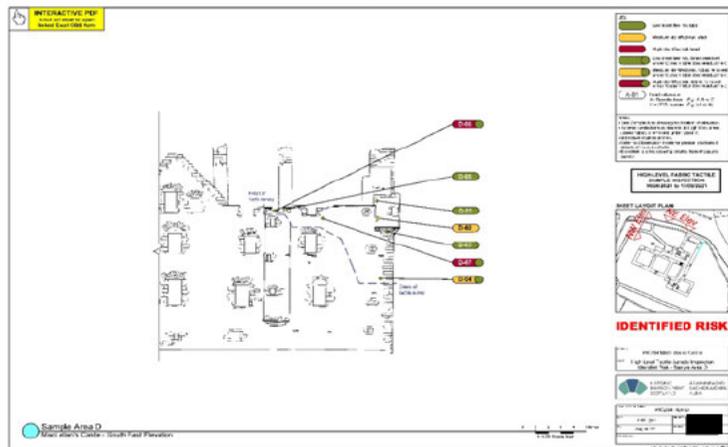
[PIC204-HLR-SI-A B](#)

Sample Area C



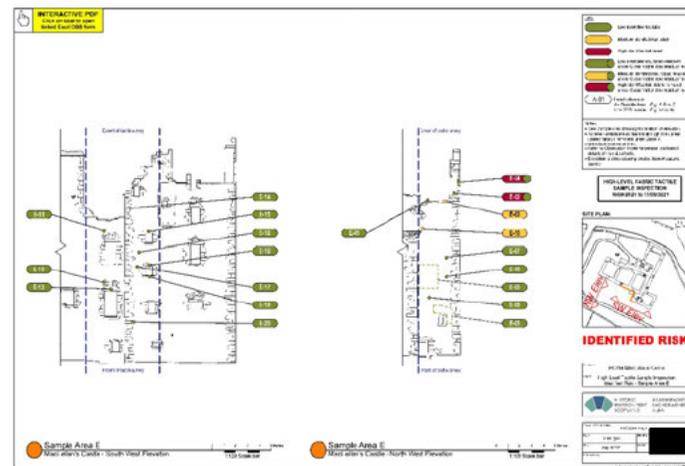
[PIC204-HLR-SI-C](#)

Sample Area D



[PIC204-HLR-SI-D](#)

Sample Area E



[PIC204-HLR-SI-E](#)