

HIGH-LEVEL TACTILE INSPECTIONS

SAMPLING PHASE 1
REPORT
Rothesay Castle
PIC123



HISTORIC
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CONTROL SHEET

Document Control

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V0001	09/09/2021	Draft	[REDACTED]	First draft
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HLTI Sampling: Report - Introduction



PIC ID # ↓	PIC123	Site name	Rothesay Castle		
Inspection start	06/09/2021	Inspection end	08/09/2021	Submission	28/09/2021
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. The Sample inspection for Rothesay Castle was carried out in accordance with HES Management of Risk Procedures as set out in High-level Fabric Policy and High level Tactile Inspection Procedures.

The Sample Inspection Report only reports on high level fabric risks within pre-determined areas and does not provide any assessment of risk in other areas on site.

Tactile inspections of two sample areas (North West Tower - interior and Chapel) were agreed in advance by the T1 team and the Region and a further three areas (North West Tower - exterior, North East Tower - remains of walls on the interior North West elevation and North East curtain wall (exterior) between North East tower and Gatehouse) were agreed before the inspection with the District Architect. All inspections on areas A, C, D and E were completed using rope access and Go Pro cameras, which provided a live feed of images of the inspection. Sample area B was inspected from a scaffold tower.

HLF Inspection Risk Matrix:

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

Consequence		1	2	3	4	5
		No injury	Minor injury	Moderate injury	Major injury	Fatal or life-altering injury
Probability						
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

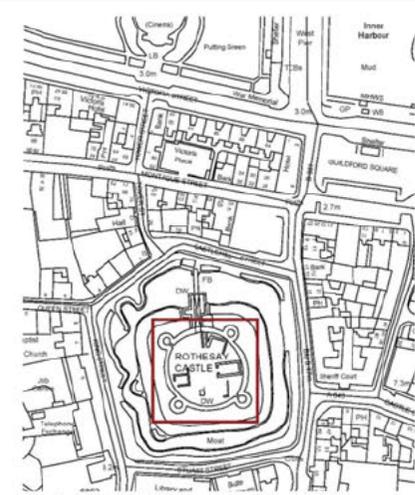
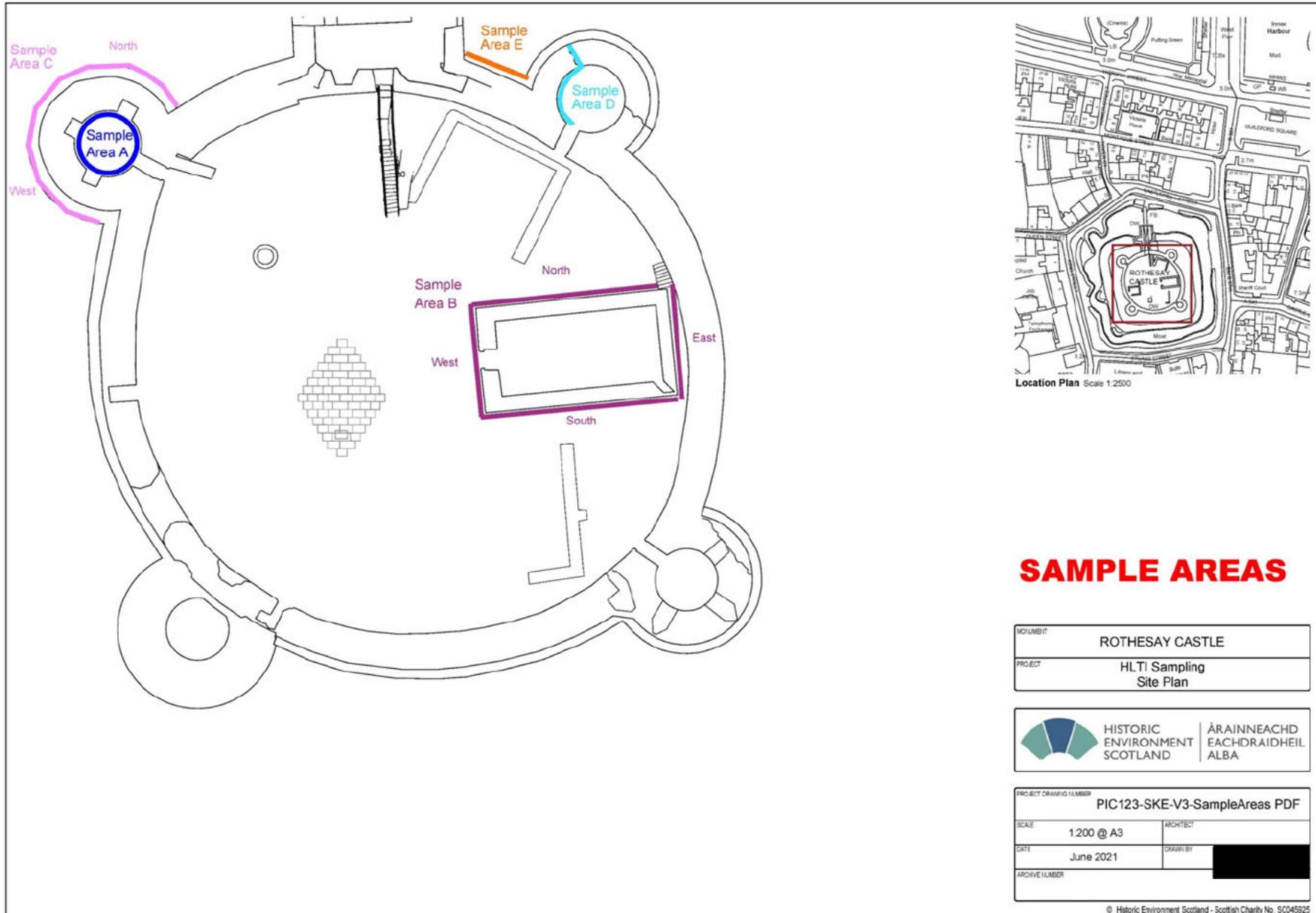


HLTI Sample Areas:

<i>Area:</i>	<i>Colour:</i>	<i>Sample Area Name:</i>
A	Blue	North West Tower - Interior
B	Maroon	Chapel - Exterior
C	Pink	North West Tower - Exterior walls
D	Cyan	North East Tower - remains of interior walls
E	Orange	North East curtain wall - between NE Tower & Gatehouse - Exterior



Click on link to open drawing in PDF viewer: [PIC123-SKE-V3-SampleAreas](#)



SAMPLE AREAS

MONUMENT	ROTHESAY CASTLE
PROJECT	HLTI Sampling Site Plan

 HISTORIC ENVIRONMENT SCOTLAND	ÀRAINNEACHD EACHDRAIDHEIL ALBA
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PROJECT DRAWING NUMBER	
PIC123-SKE-V3-SampleAreas PDF	
SCALE	1:200 @ A3
DATE	June 2021
ARCHITECT	
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APPROVE NUMBER	

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HLTI Sampling: Report - Summary dashboard



PIC ID#	PIC123	Submission	28/09/2021
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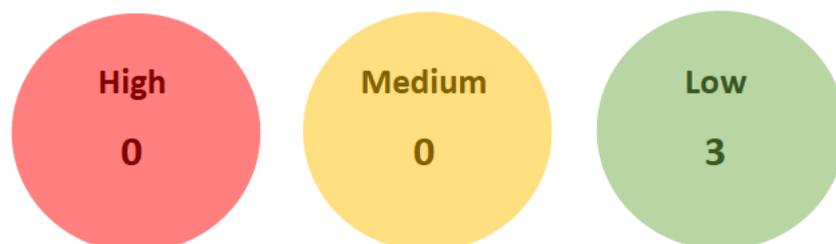
Select Sample area of which data should be displayed ↓	E
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Number of observations	3
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Identified Risk



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	
2	0	0	0	1

Inspection types:	Tactile	3	Visual	0
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Key comments:

The inspection at Rothesay Castle found a low number of observations, with Sample Area A having the highest number (10).
 Observation were mostly relating to delaminations and loose stones, which were often located on wall heads or at upper levels and, where these were not safe to leave in situ, these were removed under Class V Consent.
 It should be noted that the Chapel had had a programme of repair work completed in the weeks preceding the Sample inspection and this is likely to have been influential on the low number of observations found.
 It is also important to note that the MCU on site were proactive and supportive, re-bedding several Class V removed stones either whilst the inspection progressed or shortly after it had concluded.
 Although a low number of observations were recorded, it is important to note that there are areas where risk of falls exist on site in areas that were not inspected but observed. The areas observed appeared to be adequately managed with barriers.
 Upon completion of the Sample Inspection, only 'Low' assessed risks remained in the Sample Areas.



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 Area A

[PIC123-HLR-SI-A](#)

Sample Area B

[PIC123-HLR-SI-B](#)

Sample Area C

[PIC123-HLR-SI-C](#)

Sample Areas D & E

[PIC123-HLR-SI-D-E](#)