HIGH-LEVEL TACTILE **INSPECTIONS**

SAMPLING PHASE 1 REPORT Arbroath Abbey Abbot's House PIC007



SCOTLAND

HISTORIC ARAINNEACHD ENVIRONMENT EACHDRAIDHEIL ALBA

Title:	High-Level Tactile Sample Inspection Project Phase 1 Report PIC007 Arbroath Abbey Abbot's House
Authors:	This is a second of the second
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Version Control

Version	Date	Status	Prepared by	Amendments
V0001	02/08/2021	Draft		First draft
V0100	05/08/2021	Approved		Approved
V0200	27/08/2021	Approved		Identified Risk drawings revision A

HLTI Sampling: Report - Introduction



PIC ID # ↓	PIC007	Site name	Arbroath Abbey	Abbot's House	
Inspection start	27/07/2021	Inspection end	28/07/2021	Submission	30/08/2021
Lead HBFA					
Sample Inspectors					

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 Arbroath Abbey Abbot's House 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 Two sample areas, West elevation and section of South elevation (agreed in advance by the T1 team and the Region) of the Abbot's House were carried out and completed using a MEWP.

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.

HLF Inspection Risk Matrix:

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

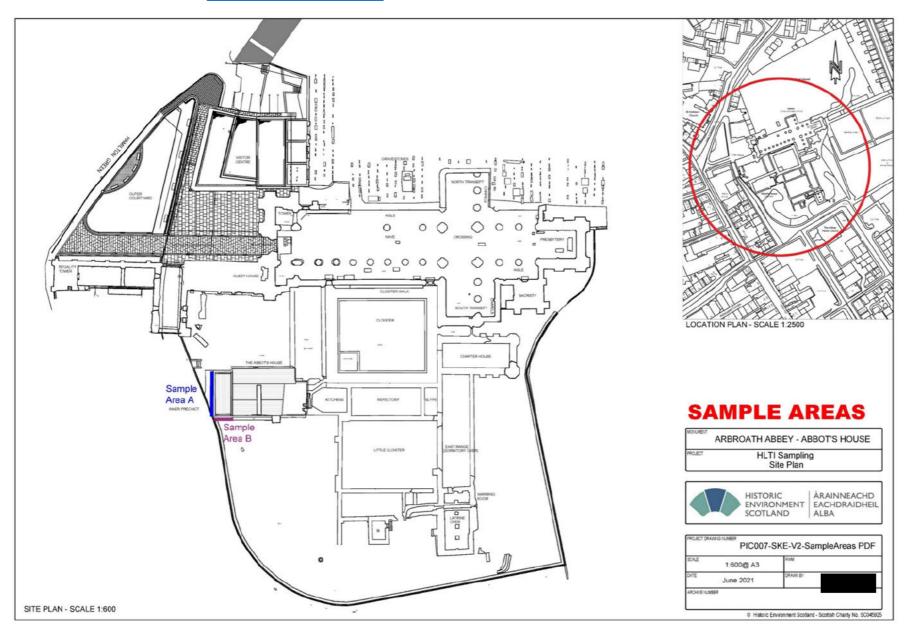
C	onsequence	1	2	3	4	5
Prob	ability	No injury	Minor injury	Moderate injury	Major injury	Fatal or life-altering injury
5	Fabric fall almost certain	5	10	15	20	25
4	Fabric fall highly likely	4	8	12	16	20
3	Fabric fall likely	3	6	9	12	15
2	Fabric fall unlikely	2	4	6	8	10
1	Fabric fall highly unlikely	1	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:
Α		Abbott's House West Elevation
В		Abbott's House South Elevation, West Section

Click on link to open drawing in PDF viewer: PIC007-SKE-V2-SampleAreas.pdf



202108-AbbotsHouse-ConditionReport Section 3



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HLTI Sampling: Report - Summary dashboard



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PIC ID# PIC007	Submission	30/08/2021			
Select Sample area of which didisplayed ↓	ata should be	All areas		ber of rvations	24
Identified Risk	High 2		dium 3	Low 19	
Residual Risk	High	Med	dium	Low	

Inc	necti	on A	Action:	
ше	Secu		<i><i>vealorii.</i></i>	

Class V Report = Fabric detached during tactile inspection		Monitor Observation /		
	High = Full site closure	Medium = Partial site closure	Low = Minor access restriction	Plan Repairs = No immediate action
3	0	0	1	20

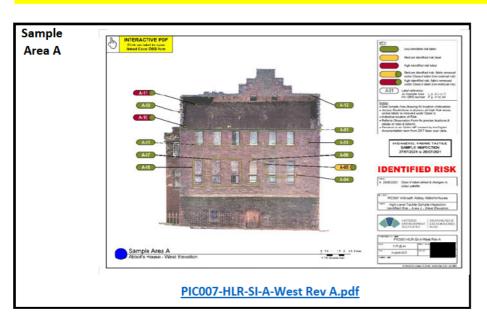
Inspection types:	Tactile	23	Visual	1
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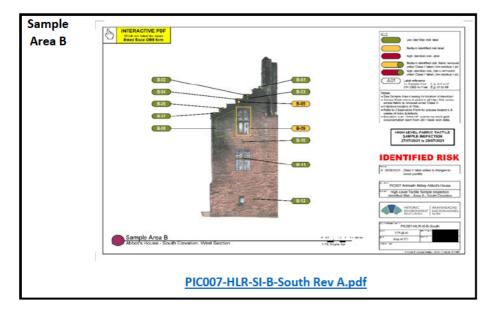
Key comments:

The Abbot's house is built from soft fluvial sandstone (devonian red sandstone) with conglomerate inclusions. Surface scaling, bossing and stone delamination along bedding planes are the predominant symptoms of decay with many surfaces being severely eroded, at times exposing harder pebble inclusions of varying sizes. Most surface scaling is likely to occur in relatively small and thin sections which are unlikely to cause a potential risk to life. However, some face bedded stones e.g. from the window lintels and mullions were found to be delaminating and are at risk of larger fabric losses. Window putty is often cracked and loose. A couple of loose roof slates were removed from the West gable. Most of the west pitch roof slates could only be visually inspected.



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.





202108-AbbotsHouse-ConditionReport Section 5