# Tactile safety inspection of high-level fabric

REPORT Inchcolm Abbey PIC028



June 2022



Title:	Tactile safety inspection of high-level fabric Report PIC028 Inchcolm Abbey				
Authors:					
Document created:	June 2022				
Reviewed by:					
Date Reviewed:					
Approved by:					
Date of Approval:	13/06/2022				
Version Number:	V0200				

## **Version Control**

Version	Date	Status	Prepared by	Amendments
V0001	01/06/2022	Draft		First draft
V0100	08/06/2022	Approved		Slight amendments on wording generally - Removal of mention of site condition within key findings section- Approved by xxxxxx xxxxxx
V0101	13/06/2022	Draft		Zone 13 updated data by xxxxxx xxxxxxxxx, Identified Risk drawings & data updated to match
V0200	13/06/2022	Approved		Approved

Template version: PICxxx-T1C-HLF-REP-YYYYMMDD-X-V0301-Report

## High-Level Tactile Inspection: Report - Introduction



PIC ID # <b>↓</b>	PIC028	Site name	Inchcolm Abbey	,	
Inspection start	23/05/2022	Inspection end	26/05/2022	Submission	08/06/2022
Lead assessor					
Other assessors					

#### Introduction:

The High-Level Fabric Inspection of Inchcolm Abbey (PICO28) was led by

Leader) and carried out with

(Deputy Team Lead), and Inspectors

from 23/05/2022 - 26/05/2022.

The Inspection team assessed 24 zones covering the whole monument, using a range of high level access equipment including rope access, MEWP, alloy towers and ladders. MEWPs were lifted onto Inchcolm Island by use of Briggs Marine (Barge) using crane while ground mats were placed below MEWPs to protect ground and archaeologically sensitive areas throughout the site, for the duration of inspections and machinery movements.

### **HLF Inspection Risk Matrix:**

HES-T1C-HLF-RAS-X-X-V0102-RiskMatrix

Consequence		1	2	3	4	5
Probability		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	80	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

## Re-inspection frequency: (in years)

# High-Level Tactile Inspection: Report - Introduction



			Annual Visitor Numbers				
		up to 5 k	5-20 k	20 - 100 k	100k - 2m	over 2 m	
Risk	Low	5 years	5 years	5 years	4 years	4 years	
ldentified Risk Rating	Medium	3 years	3 years	2.5 years	2 years	2 years	
lde.	High	1 year	1 year	1 year	1 year	0.5 year	

# **HL Zones:**

Zone:	Colour:	Zone Name:
1	5575477	Abbot's residence - N and E external elevations
2		Abbot's residence - S external elevation
3		Abbot's residence - chambers West and 2nd bays
4		Abbot's residence - chambers 4th and East bay
5		Dormitory extension - external elevations
6		Dormitory extension - internal elevations
7		South walk/refectory - S elevation and roof pitch
8		South walk/refectory - N elevation and roof pitch
9		West walk/Guest Hall - W elevation and roof pitch
10		West walk/Guest Hall - E elevation and roof pitch
11		West gable latrine block
12		First church nave
13		Bell Tower
14		Study
15		East walk/Dormitory - E elevation and roof pitch
16		East walk/Dormitory - W elevation and roof pitch
17		Chapter House/Warming House - external elevations and roof
18		South transept
19		Residential block
20		N shore wall
21		S shore wall
22		S garden wall and porch
23		W garden wall
24		N garden wall and hermit cell

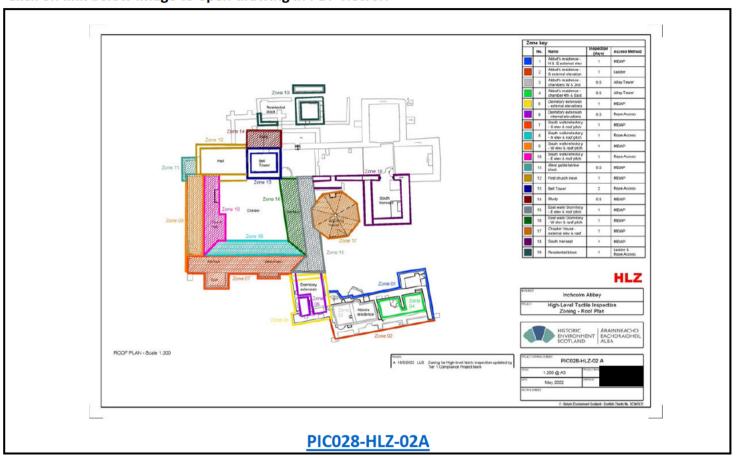
# Link to 3D model:

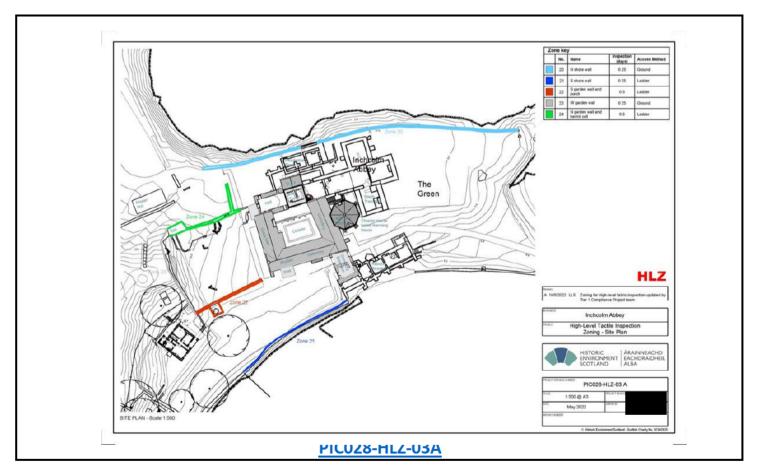
https://sketchfab.com/3d-models/inchcolm-abbey-e70d37f5e33941ea9b63ac1c5ad6a337

# High-Level Tactile Inspection: Report - High-Level Zoning Drawings



## Click on link below image to open drawing in PDF viewer:





## High-Level Tactile Inspection: Report - Summary dashboard



Ö	•	•	,		
PIC ID#	PIC028	Site name	Inchcolm Abbey		
		Submission	08/06/2022	Number of zones	24
Select zone o	f which data should	be displayed $oldsymbol{\psi}$	All zones	Number of observations	88
		High	Medi	um low	

## **Identified Risk**



# **Residual Risk**

**Residual Risk** 

After Inspection Action

Mitigated with applied Access Restriction in place

Inspection Action:							
Class V Report = Fabric	Access Restriction	Access Restriction = Risk of fabric falling and causing harm					
detached during tactile inspection	Full site, notifiable	Partial site, notifiable	Partial site, not notifiable	Plan Repairs = No immediate action			
34	0	2	3	49			
Inspection types:	Tactile	87	Visual	1			

#### **Key comments:**

#### **KEY FINDINGS**

- Loose Slates / Replacement of slates Warming House (Zone 17)
- Loose Masonry East Alter
- Boundary Wall leading to cottage Dry build requires further attention

# High-Level Tactile Inspection: Report - Summary dashboard



- South Nave - (Zone 12) Area shows signs of water ingress - mortar has decayed
PREDOMINANT RISKS:-  - Above as noted is the predominant identified risks which could be mitigated by installing Heras type Fencing with appropriate drop zones in the immediate term . Short term having MCU carry out repairs to the affected areas could negate the requirement for fencing.

# High-Level Tactile Inspection: Report - Access Scope



PIC ID#

PIC028

Site name

**Inchcolm Abbey** 

# Access methods: Select all methods used to conduction inspection $\psi$

MEWP	Yes	Design Scaffold		Alloy Tower Scaffold	Yes
Rope Access		Steeplejack	Yes	Ladder	Yes
Ground	Yes	Binoculars / Photo	Yes	UAV	
Other method	No	If yes, details:			

External Contractor appointed for access requirments:

Ground protection / tracking required: Yes

## **Inspection info:**

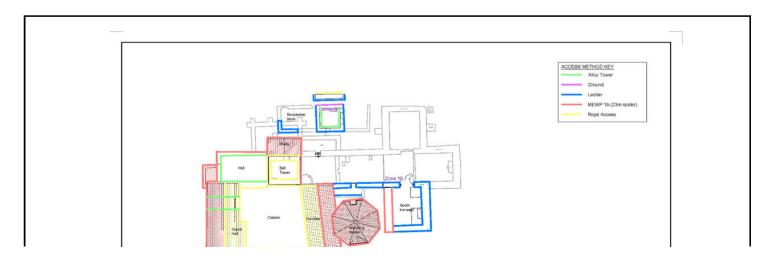
**Limitations of** inspection:

All areas were inspected through methods noted above with no limitations during the inspections. Inclement weather caused 1 day delay on removal of the MEWPS from Inchcolm Island.

Yes

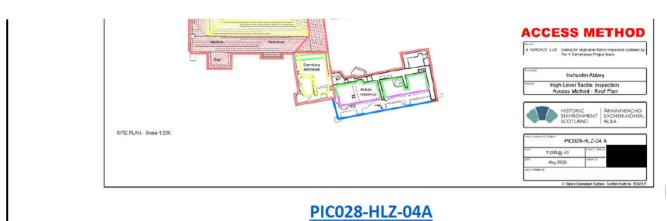
Areas not inspected: N/A

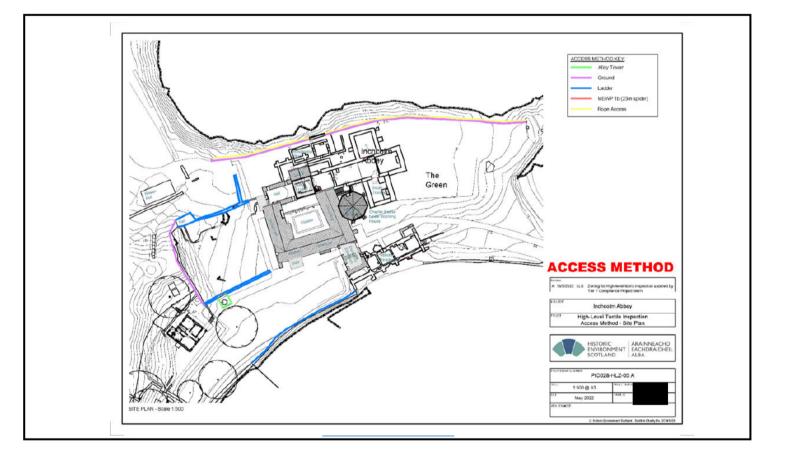
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# High-Level Tactile Inspection: Report - Access Scope

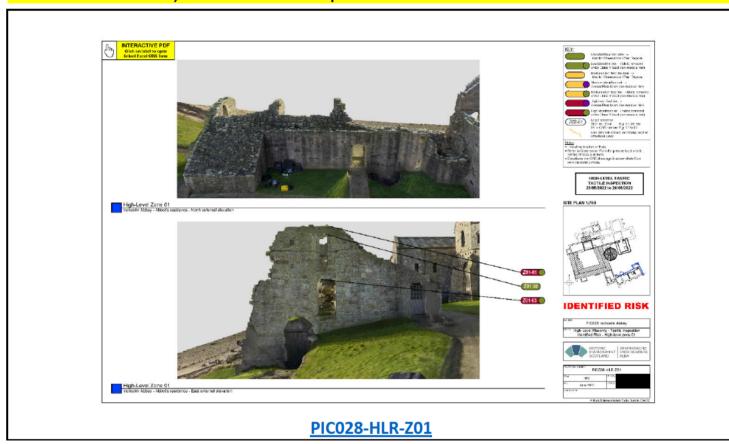


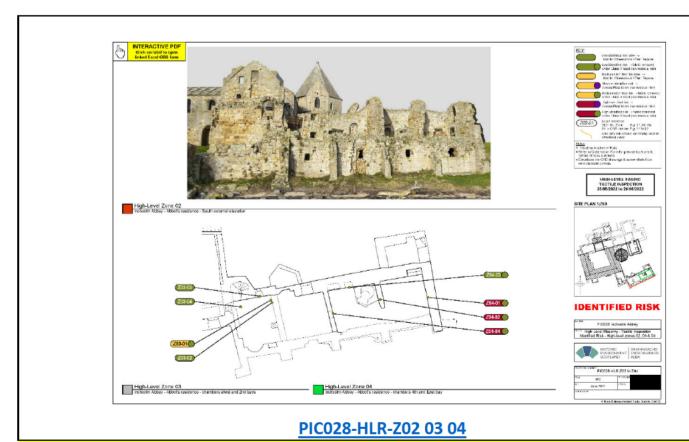




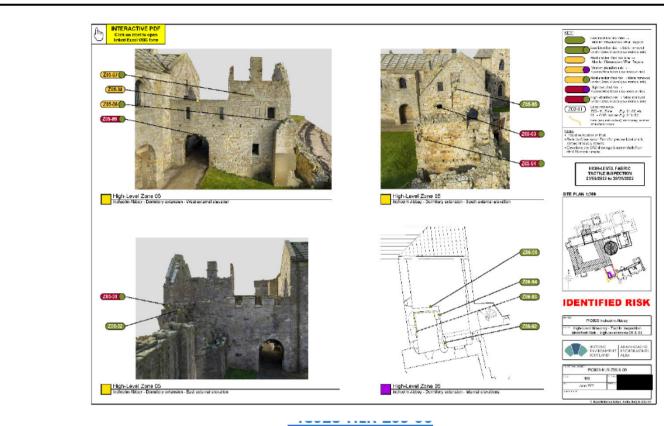


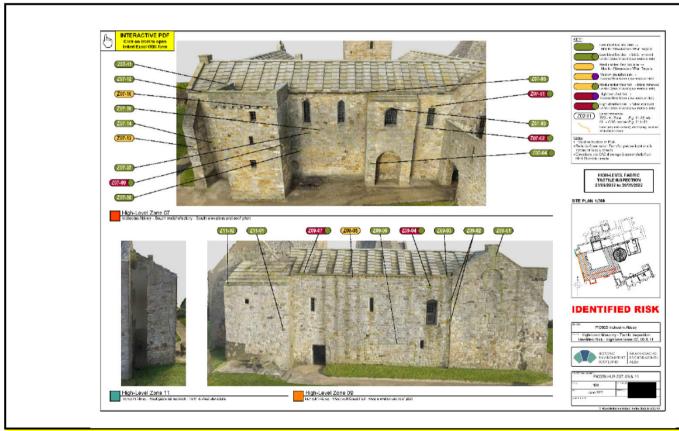
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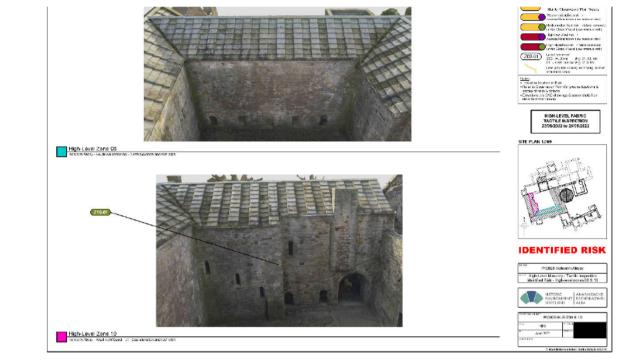








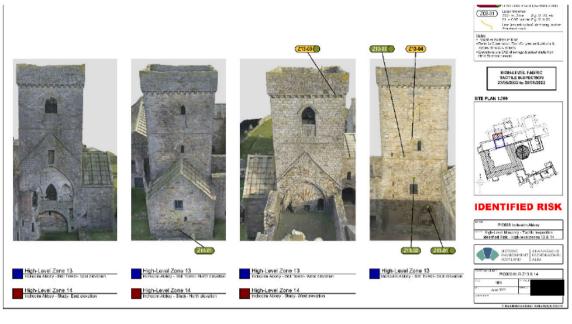


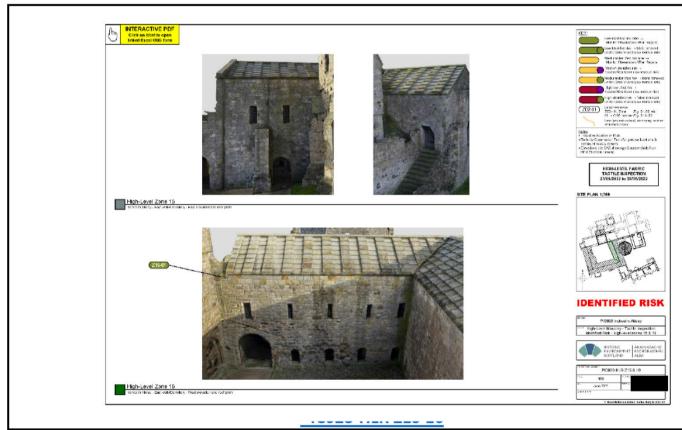


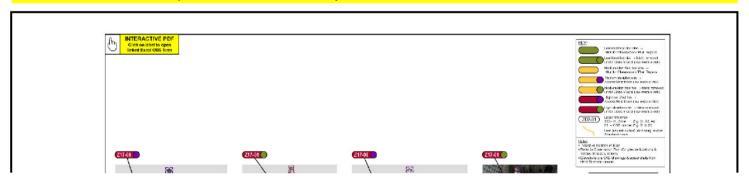




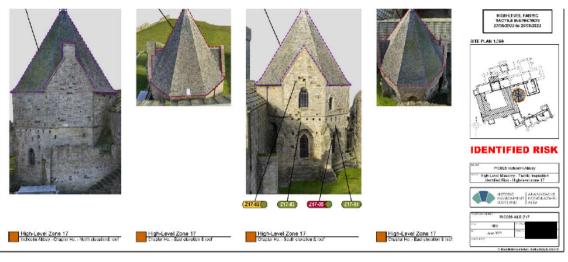


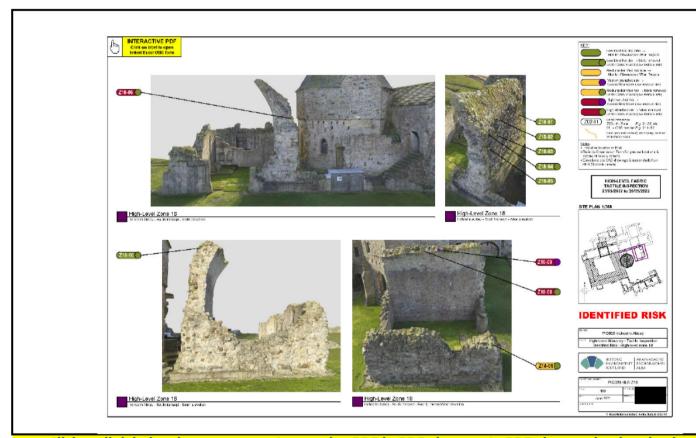


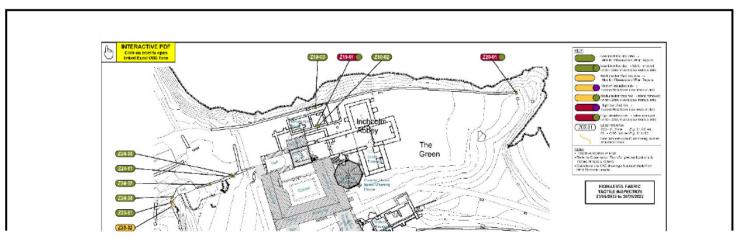




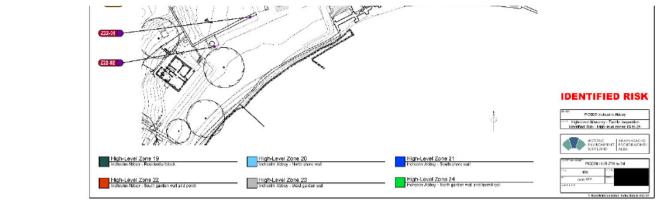












PICU28-HLR-Z19 ZU Z1 ZZ Z3 Z4

# High-Level Tactile Inspection: Report - Access Restrictions Plan



Click on link below image to open PDF in PDF viewer.

