# High Level Masonry Project Tactile safety inspection of high-level fabric

# REPORT Inverlochy Castle PIC075



December 2022



# **CONTROL SHEET**

#### **Document Control**

Title:	Tactile safety inspection of high-level fabric Report PIC075 Inverlochy Castle
Authors:	
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#### **Version Control**

Version	Date	Status	Prepared by	Amendments
V0001	12/12/2022	Draft		N/A Document Creation
V0100	03/05/2023	Approved		

 $Template\ version:\ PICxxx-T1C-HLF-REP-YYYYMMDD-X-V0500-Report$ 

#### High-Level Tactile Inspection: Report - Introduction



PIC ID # ↓	PIC075	Site n	iame	Inverlochy Cast	le		
Inspection start	03/04/2023	Inspec	ction end	21/04/2023		Submission	03/05/2023
Lead inspector							
Other inspectors							

#### Introduction:

The High-Level Fabric Inspection was lead by (Lead Inspector) and carried out with a team of Inspectors (as named above) from 03.04.2023 - 21.04.2023

The HLM Inspection Team assessed 25/25 zones covering the whole monument, using a range of high level access equipment. For further information please refer to tab **5.** Access **Scope.** 

N.B. For limitations of inspection and areas not inspected, please refer to tab 5. Access Scope.

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

HES-T1C-HLF-RAS-X-X-V0300-RiskMatrix

C	onsequence	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

# High-Level Tactile Inspection: Report - Introduction



# Re-inspection frequency: (in years) NO DATA AVAILABLE

		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	
Identified Risk Rating	Medium	3 years	3 years	2.5 years	2 years	2 years	
Іері	High	1 year	1 year	1 year	1 year	0.5 year	

# Link to 3D model:

# **HL Zones:**

Zone:	Colour:	Zone Name:
1		Outer South Tower boundary wall
2		Main gateway
3		Outer East Tower boundary wall
4		Southeast Curtain Wall external
5		South Tower external
6		Southwest Curtain Wall external
7		West Tower external
8		West Curtain Wall external
9		North Curtain Wall external
10		North Tower external
11		Northeast Curtain Wall external
12		East Tower external
13		Southeast Curtain Wall internal
14		Southwest Curtain Wall internal
15		West Curtain Wall internal
16		North Curtain Wall internal
17		Northeast Curtain Wall internal
18		South Tower internal
19		West Tower internal
20		North Tower internal
21		East Tower internal
22		East Boundary Wall External
23		East boundary wall internal
24		South Boundary Wall External

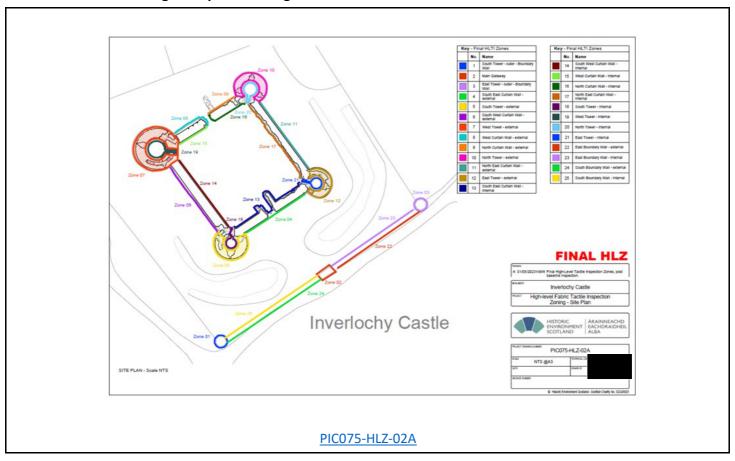


25 South Boundary Wall Internal

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



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

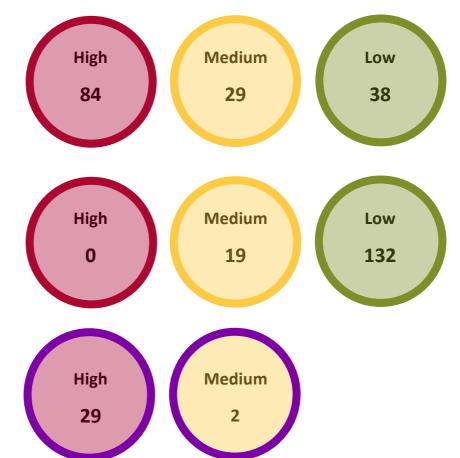


# High-Level Tactile Inspection: Report - Summary dashboard





#### **Identified Risk**



#### **Residual Risk**

**Residual Risk** 

**After Inspection Action** 

Mitigated with applied Access Restriction in place

Inspection Action:						
Monitor Observation	Plan Repairs	Fabric detached  During tactile		Access Restriction bric falling and car		
= No immediate action	= No immediate action	inspection (Former Class V)	Full site, notifiable	Partial site, notifiable	Partial site, not notifiable	
26	31	63	7	10	20	

Inspection types:	Tactile	151
	Visual	0

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



#### **Key comments:**

#### **KEY FINDINGS**

- Site currently closed
- -Zone 3 access restriction removed after consultation with Region and Heritage
- Partial inspctions carried out at Zones 4,5,10,12,16,17 due to loose masonry on wall head level
- Would recommend site stays closed with more fencing required to stop unauthorised access

-

#### PREDOMINANT RISKS:-

- Loose masonry on wall heads. Although site is closed secure fencing has been breached on a few occasions by teenagers. More robust fencing will be required as discussed with Regional Management: Link below in "Linked Drawings" section.

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N.B. For limitations of inspection and areas not inspected, please also refer to tab 5. Access Scope.

#### **Linked Drawings**

**Proposed Access Restrictions** 

Inspection Action:						
Monitor Observation	Plan Repairs During tactile		Access Restriction Risk of fabric falling and causing harm			
= No immediate action	= No immediate action	inspection (Former Class V)	Full site, notifiable	Partial site, notifiable	Partial site, not notifiable	
26	31	63	7	10	20	

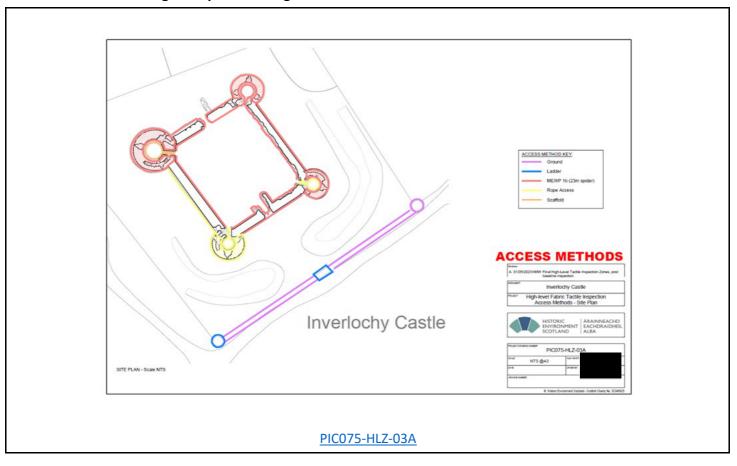


High-Level Tacti	le Inspection:	Report - Acces	ss Scope		
PIC ID#	PIC075	Site name	Inverlochy Castle		
		_			
Access methods	SE Select all meth	ods used to condu	ction inspection $oldsymbol{\downarrow}$		
MEWP	Yes	Design Scaffold		Alloy Tower Scaffold	
Rope Access	Yes	Steeplejack		Ladder	Yes
Ground	Yes	Binoculars / Ph	oto	UAV	
Other method	If	yes, details:			
Ground protection	/ tracking requi	red:	Yes		
External Contracto	r appointed for a	access requirments	: Yes		
Inspection info:					
Limitations of inspection:				n with Region and Heritag 5,17 due to loose masonry	
Areas not inspecte	d: As Above				

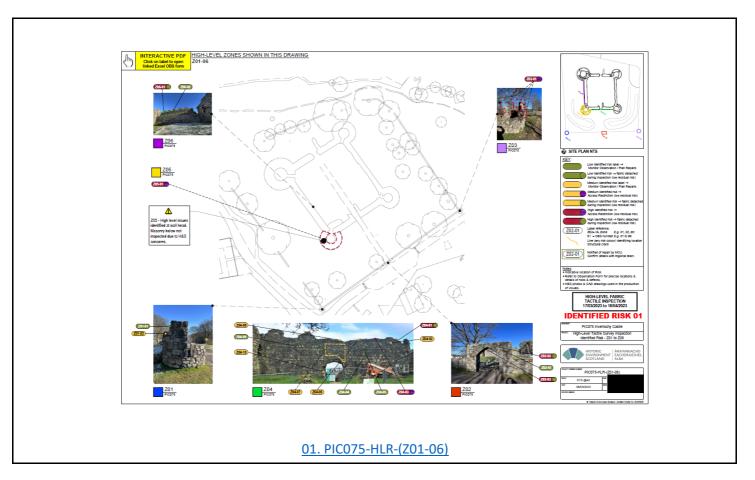
# High-Level Tactile Inspection: Report - Access Scope

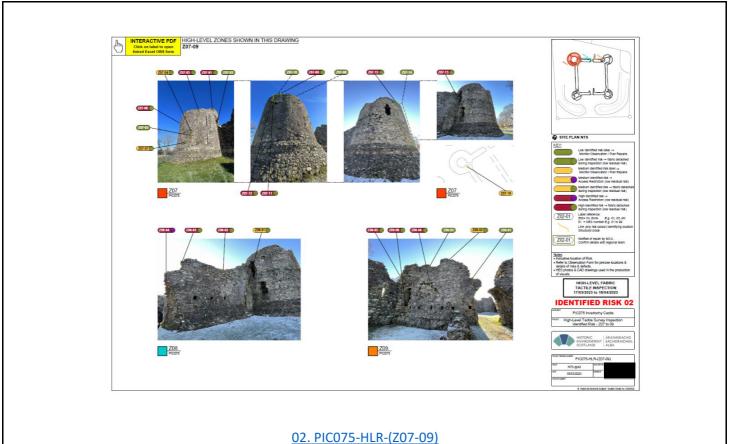


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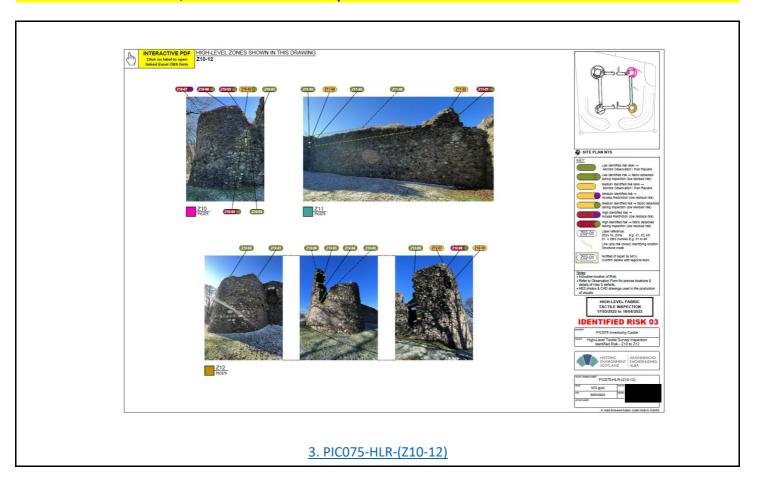


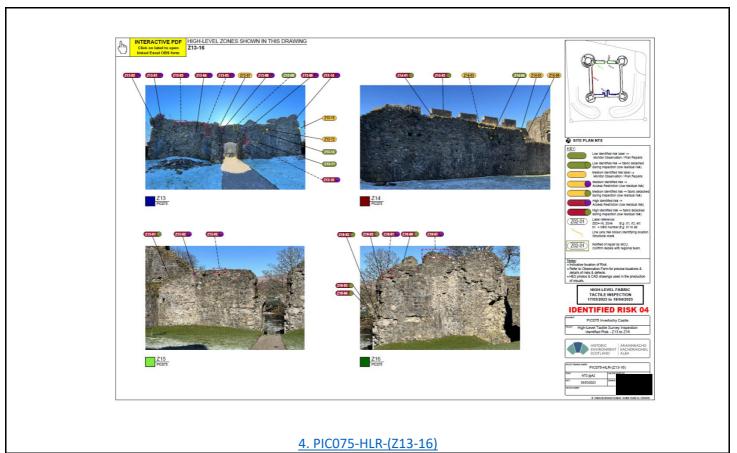




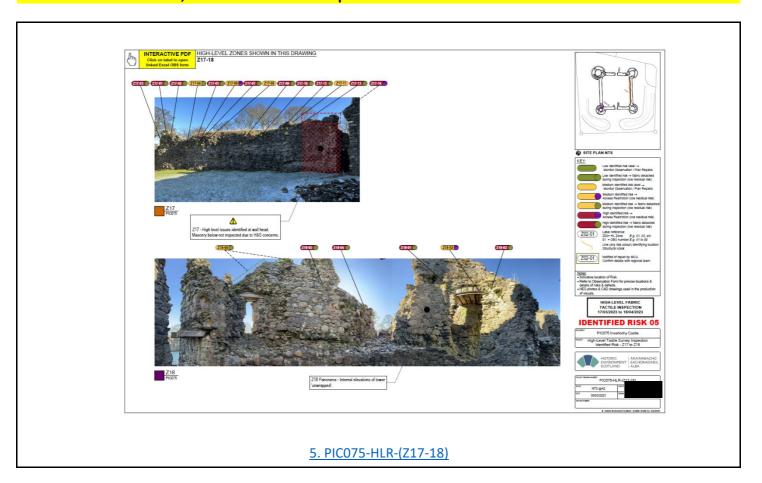


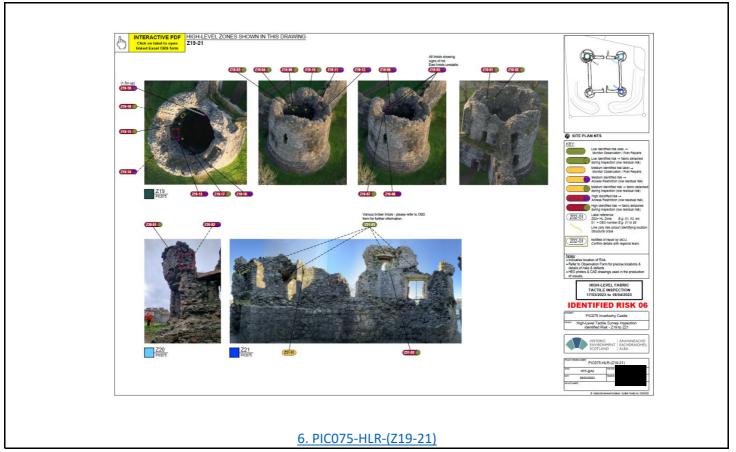




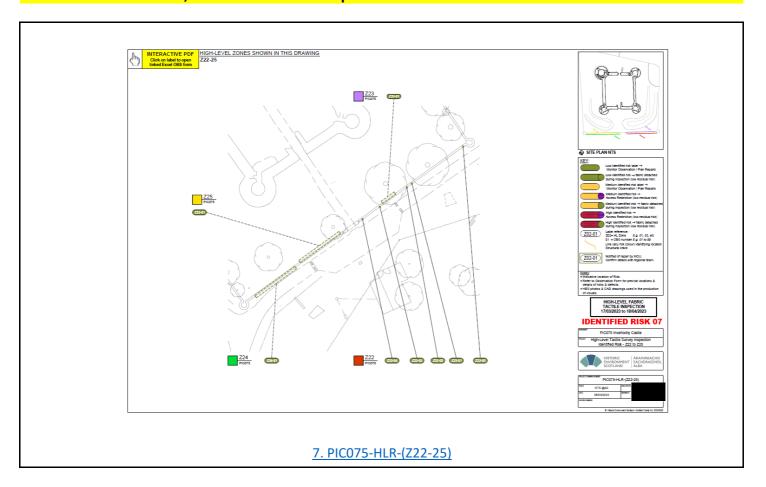












# High-Level Tactile Inspection: Report - Access Restrictions Plan



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

