

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

REPORT
Aberdour Castle
PIC001



October 2022



HISTORIC
ENVIRONMENT
SCOTLAND

ÀRAINNEACHD
EACHDRAIDHEIL
ALBA

CONTROL SHEET

Document Control

Title:	Tactile safety inspection of high-level fabric Report PIC001 Aberdour Castle
Authors:	

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Version Control

Version	Date	Status	Prepared by	Amendments
V0001	14/11/2022	Draft	[REDACTED]	First draft
V0100	15/11/2022	Approved	[REDACTED]	First issue

Template version: PICxxx-T1C-HLF-REP-YYYYMMDD-X-V0400-Report

High-Level Tactile Inspection: Report - Introduction



PIC ID # ↓	PIC001	Site name	Aberdour Castle		
Inspection start	14/10/2022	Inspection end	02/11/2022	Submission	15/11/2022
Lead inspector	[REDACTED]				
Other inspectors	[REDACTED]				

Introduction:

The High-Level Fabric Inspection of PIC001-Aberdour Castle was lead by [REDACTED] (Lead Inspector) and carried out with Inspectors As Above noted names from 17.10.2022 - 04.11.2022. The HLM Inspection Team assessed 33 (1 more than on zoned drawings) zones covering the whole monument, using a range of high level access equipment including rope access, MEWP, alloy towers and ladders. Ground mats were used below MEWPs to protect the ground and archaeologically sensitive areas in particular.

HLF Inspection Risk Matrix:

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

Re-inspection frequency: (in years)



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

Link to 3D model:

HL Zones:

Zone:	Colour:	Zone Name:
1		Entrance gateway
2		Internal elevations of walls facing driveway
3		Walled garden. External West facing elevation
4		Shop and Staff area. North external walls and internal South elevation
5		East Range. North and East elevations
6		Central Range. North and East elevations
7		Tower (remains) North and East elevations
8		Tower. West and South elevations
9		Tower. Spiral stair
10		Central Range. West elevation
11		Bakehouse. External North, South, East and West elevations
12		Bakehouse. Internal North, South, East and West elevations
13		Central Range. West and South elevations
14		East Range. West and South elevations
15		Kitchen. Open chimney
16		Central Range. Internal Room. NE corner.
17		Central Range. Spiral stair. SW corner
18		Central Range. Outer chamber
19		Central Range. First floor corridor
20		Central Range. Inner Chamber
21		Upper Terrace. Wall to the east of East Range. South and West elevations
22		Walled garden. North, South, East and West facing internal walls
23		Walled garden. North, East and South external facing external walls
24		Upper Terrace: Level -1. West and South wall elevations and return wall supporting st
25		West wall elevations facing churchyard
26		Upper Terrace: Level -1. West and South wall elevations
27		Upper Terrace: Level -2. South and West wall elevation including return wall supporti
28		Upper Terrace: Level -3. South and West wall elevations including return wall support

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

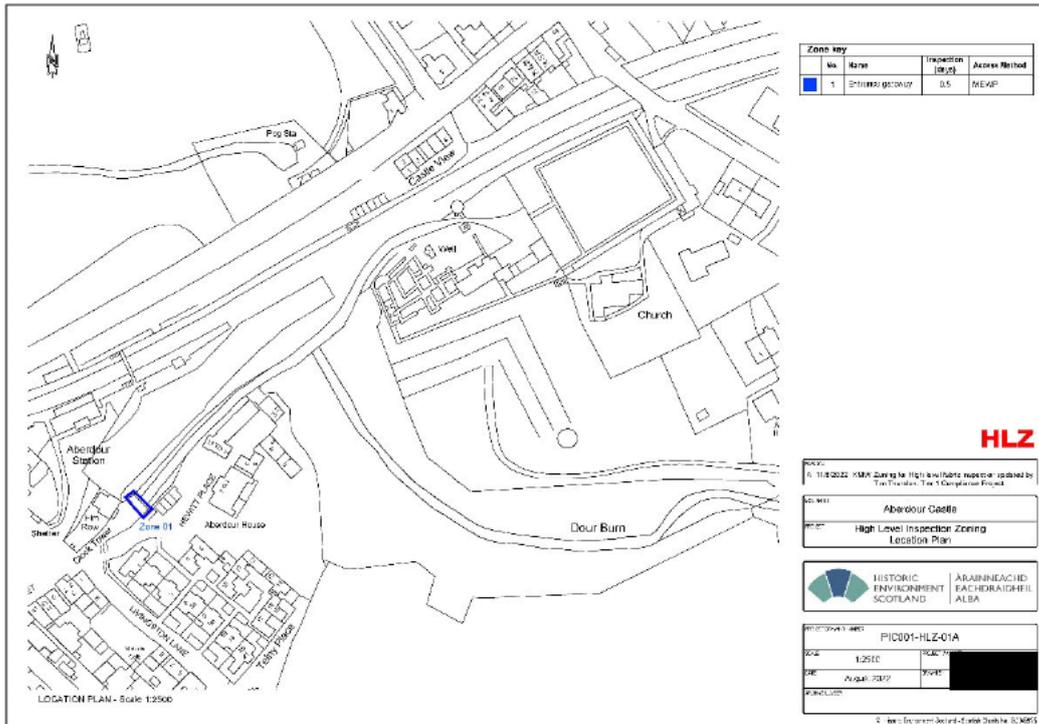


29		Upper Terrace: Level -4. South and West wall elevations including return wall support
30		Doocot
31		External North elevation of boundary wall facing railway
32		Dour Cottage, entrance steps to first floor and internal elevations of boundary walls
33		Collapsed area missed during zoning

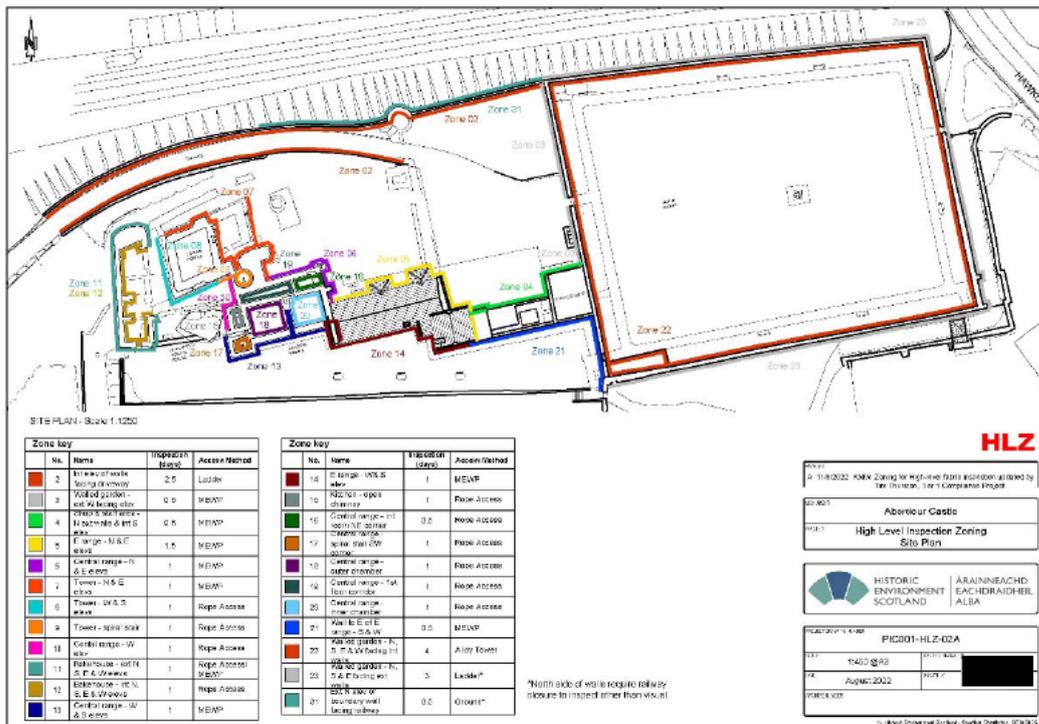
High-Level Tactile Inspection: Report - High-Level Zoning Drawings



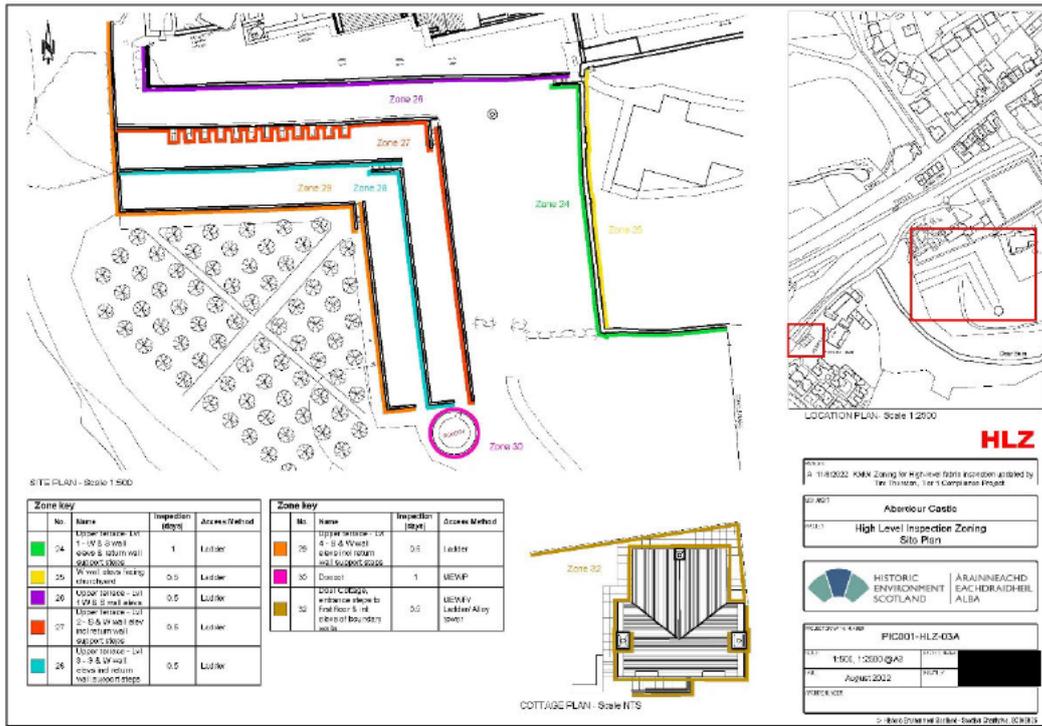
Click on link below image to open drawing in PDF viewer:



[PIC001-HLZ-01A](#)



[PIC001-HLZ-02A](#)



PIC001-HLZ-03A

High-Level Tactile Inspection: Report - Summary dashboard



PIC ID#	PIC001	Site name	Aberdour Castle	
Submission	15/11/2022	Number of zones	32	
Select zone of which data should be displayed ↓		All zones	Number of observations	126

Identified Risk



Residual Risk

After Inspection Action



Residual Risk

Mitigated with applied Access Restriction in place



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
	Full site, notifiable	Partial site, notifiable	Partial site, not notifiable	
35	0	2	9	79

Inspection types:	Tactile	122	Visual	4
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Key comments:

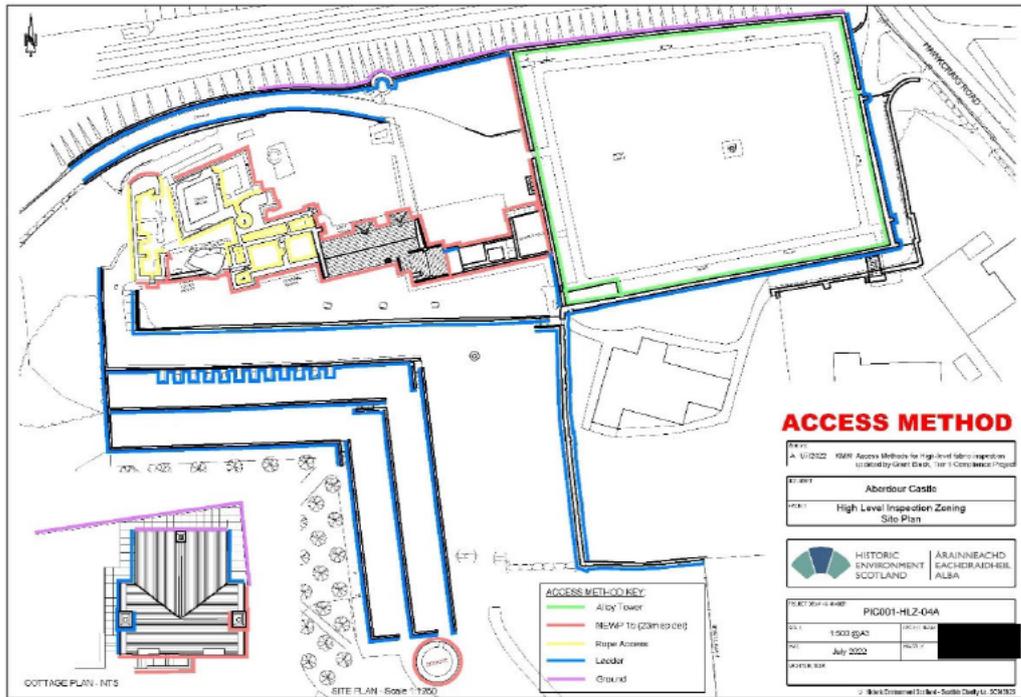
KEY FINDINGS

- Zoned drawings had areas missed- HBFA - DTL notified HBFA changes are required
- Areas of historic Plaster boss / loose- Applied conservation notified along with DA/DWM

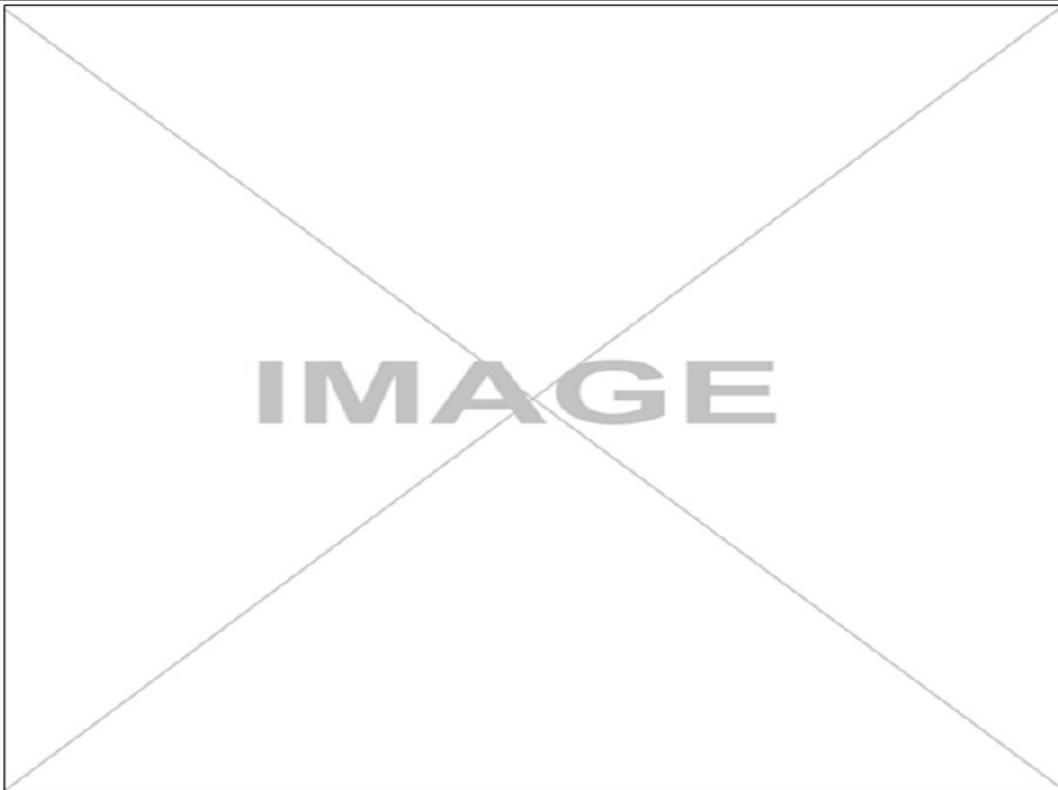


PREDOMINANT RISKS:-

- Loss of plaster if remedial works aren't carried out
- Working on public footpath and not having the necessary closure notices in place to carry out full inspection. Access methods within this area (Zone 23) will have to be reconsidered as ladder /scaffold / mew cannot be used
- Unstable memorials (Zone 25) within Local Authority Graveyard- Tier 1 compliance / Factoring / Legal to alert Local Authority of unstable memorials which are within our area of inspection



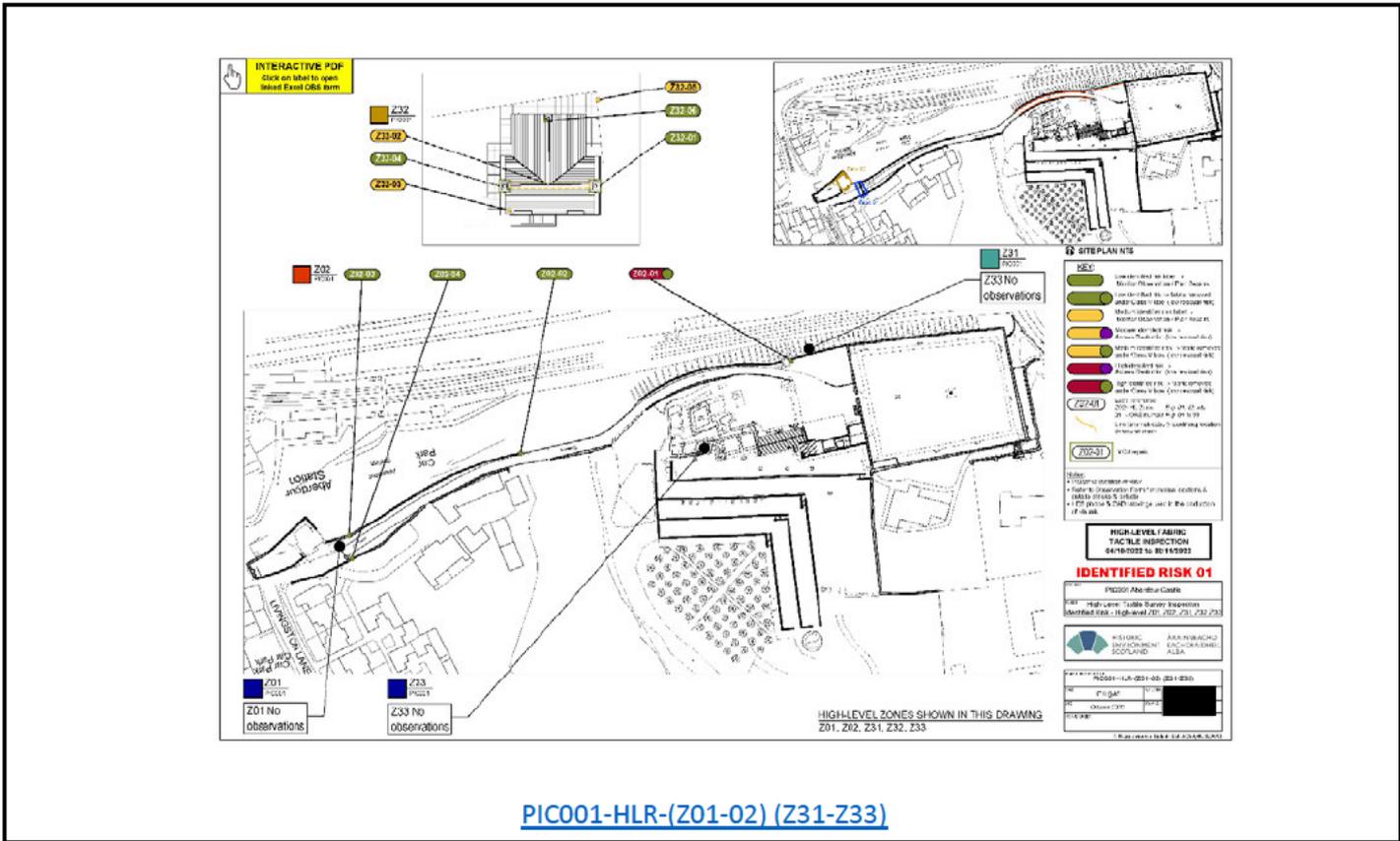
PIC001-HLZ-04A



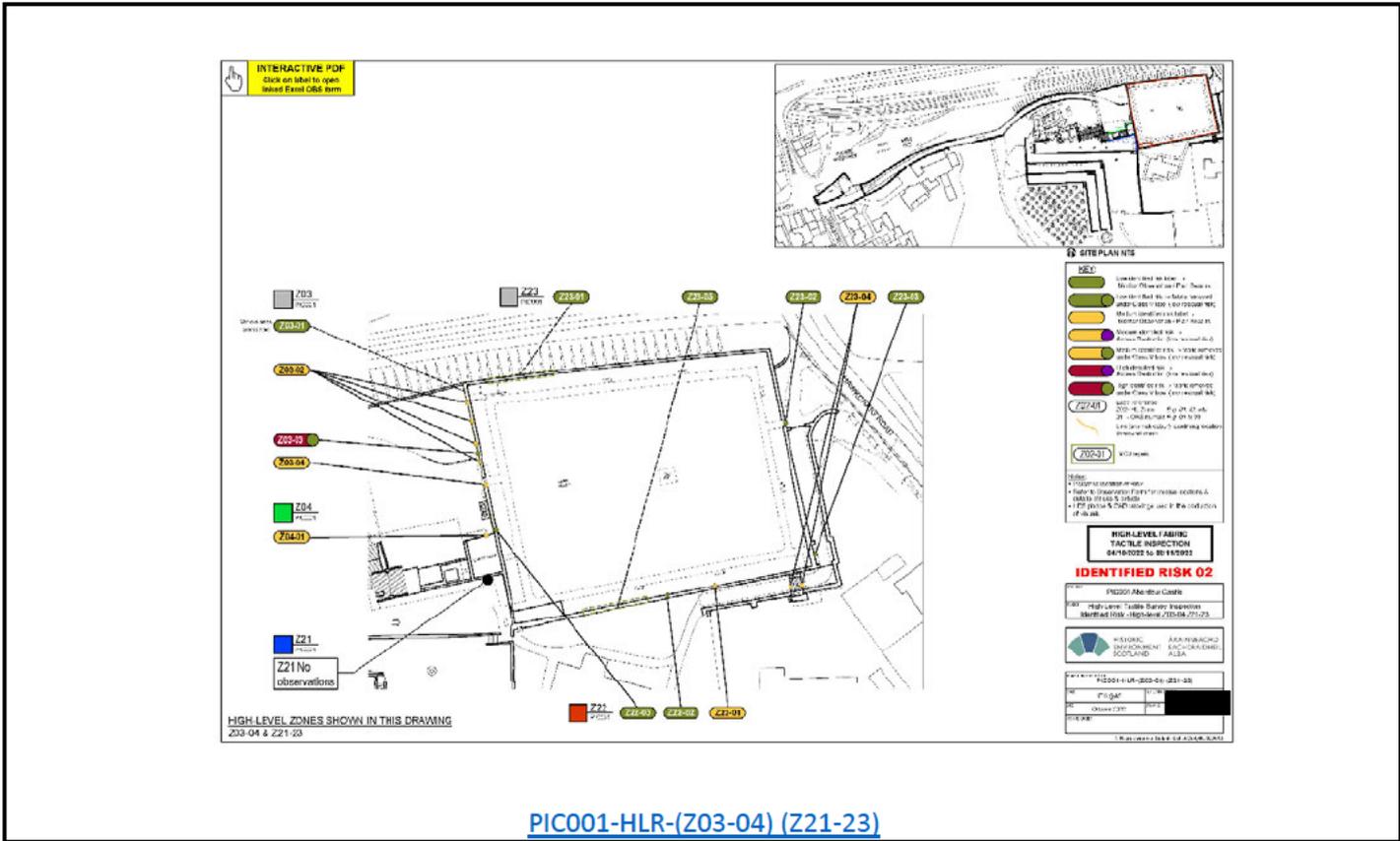
High-Level Tactile Inspection: Report - Risk Drawings



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.

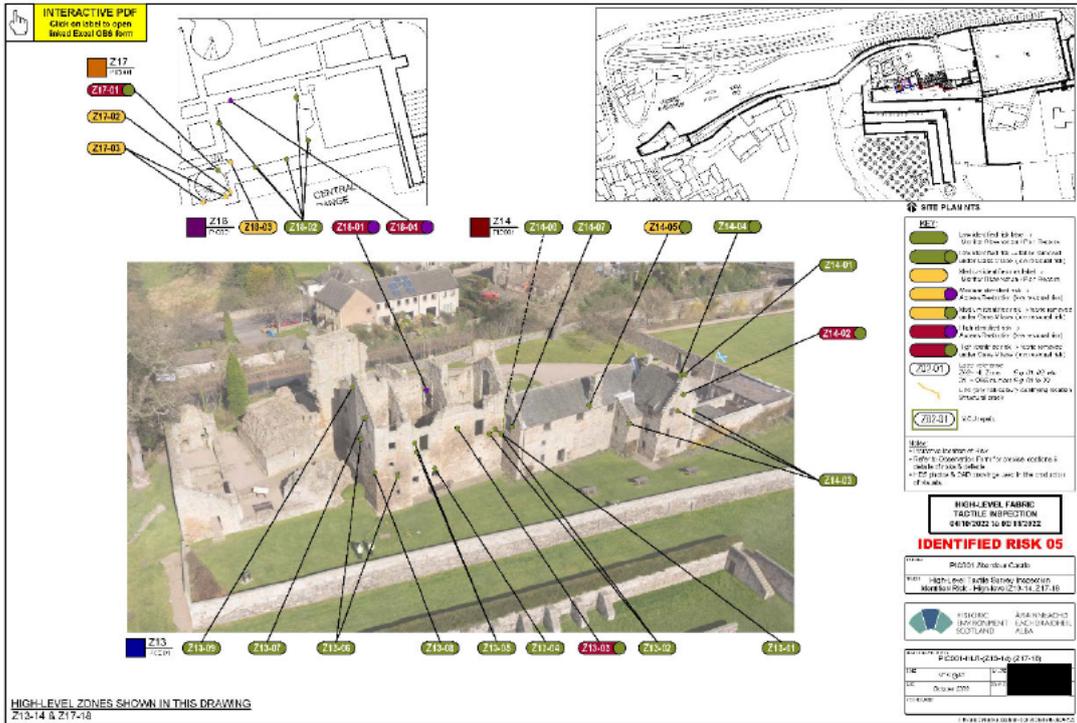


[PIC001-HLR-\(Z01-02\) \(Z31-Z33\)](#)

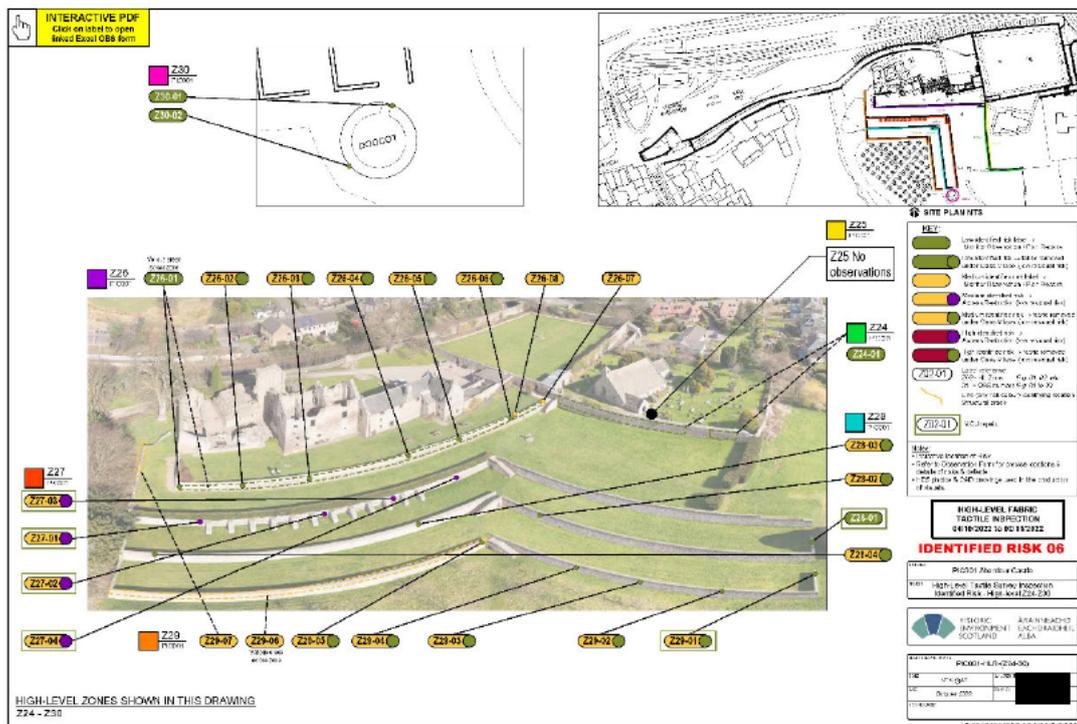


[PIC001-HLR-\(Z03-04\) \(Z21-23\)](#)

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.



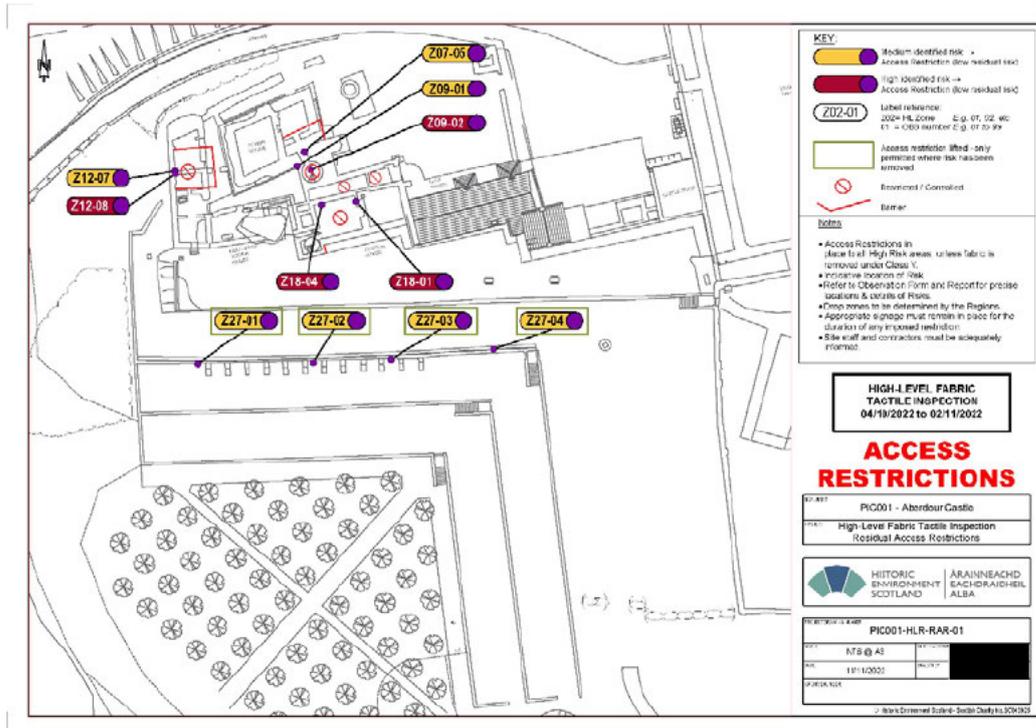
[PIC001-HLR-\(Z13-14\) \(Z17-18\)](#)



[PIC001-HLR-\(Z24-30\)](#)



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



[PIC001-HLR-RAR-01](#)