

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

REPORT Lochleven Castle PIC030



November 2022



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CONTROL SHEET

Document Control

Title:	Tactile safety inspection of high-level fabric Report PIC030 Lochleven Castle
Authors:	

Document created:	November 2022
Reviewed by:	[REDACTED]
Date Reviewed:	14/11/2022
Approved by:	[REDACTED]
Date of Approval:	11/11/2022
Version Number:	V0100

Version Control

Version	Date	Status	Prepared by	Amendments
V0001	11/11/2022	Draft	[REDACTED]	First draft for approval
V0100	14/11/2022	Approved	[REDACTED]	First issue
V0101	30/11/2022	Approved	[REDACTED]	Glassin Tower closure added to AR plan.

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

High-Level Tactile Inspection: Report - Introduction



PIC ID # ↓	PIC030	Site name	Lochleven Castle		
Inspection start	08/11/2022	Inspection end	10/11/2022	Submission	14/11/2022
Lead inspector	[REDACTED]				
Other inspectors	[REDACTED]				

Introduction:

The High-Level Fabric Inspection of Lochleven Castle was lead by [REDACTED] (Lead Inspector) and carried out with Inspectors [REDACTED] from 07.11.2022 - 10.11.2022. The HLM Inspection Team assessed 6 zones covering the whole monument, using high level access personnel and equipment namely; rope access and ladders.

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)

[REDACTED]



		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:

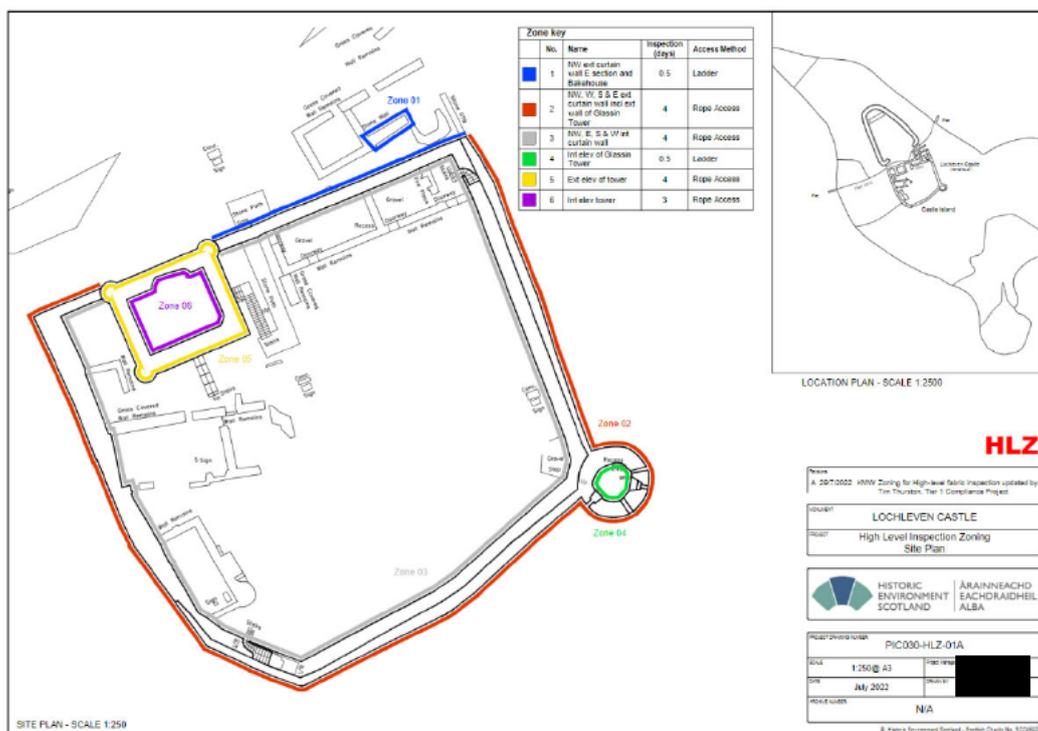
[N/A](#)

HL Zones:

Zone:	Colour:	Zone Name:
1		North West external curtain wall. East Section and Bakehouse
2		North West, West, South and East external curtain wall including exterior wall of Glassin tower
3		North West, East, South and West internal curtain wall
4		Internal elevations of Glassin tower
5		External elevations of tower
6		Internal elevations of tower



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



[PIC030-HLZ-01A](#)

High-Level Tactile Inspection: Report - Summary dashboard



PIC ID#	PIC030	Site name	Lochleven Castle	
Submission	14/11/2022	Number of zones	6	
Select zone of which data should be displayed ↓	All zones	Number of observations	22	

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	
5	0	1	0	16

Inspection types:	Tactile	21	Visual	1
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Key comments:

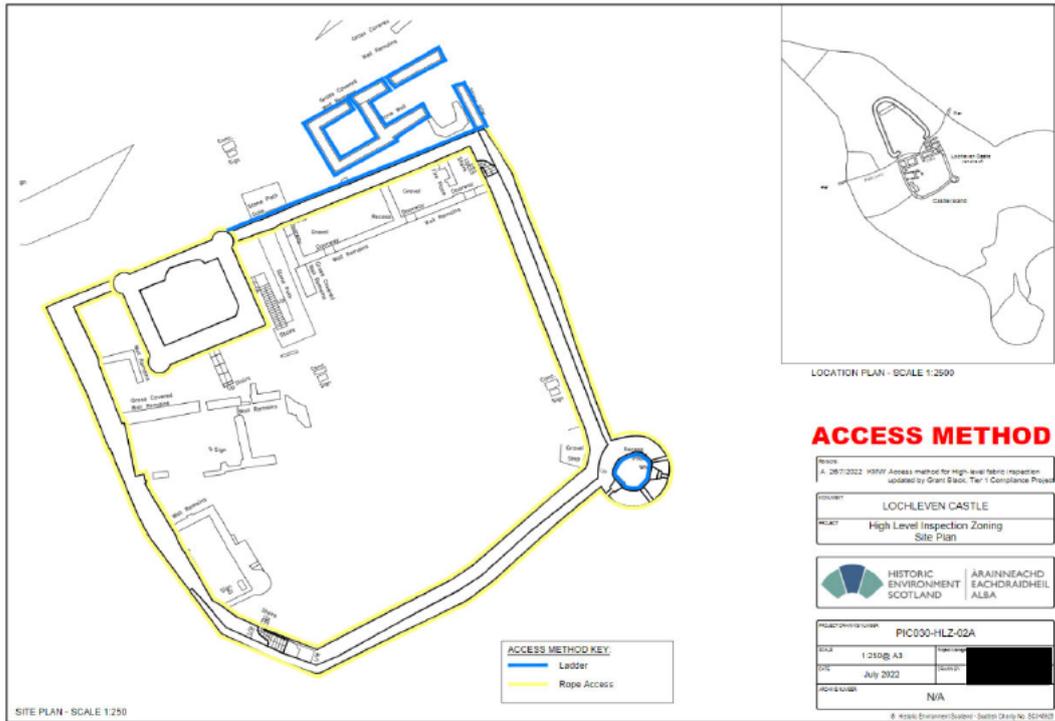
KEY FINDINGS

- Timber staircase unstable- Previously reported -
- Require trained boat operatives



PREDOMINANT RISKS:-

- Timber stair requires replaced
- Possibility of Avion flu due to Loch Leven being nature reserve
- Weather Changeable throughout inspection days



[PIC030-HLZ-02A](#)

High-Level Tactile Inspection: Report - Access Restrictions Plan



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

KEY:

- Medium identified risk → Access Restriction (low residual risks)
- High identified risk → Access Restriction (low residual risks)
- Access Restriction (low residual risks)

Z02-01 Label reference:
Z02 = HL zone E.g. 01, 02 etc
01 = ORS number E.g. 01 of 50

Z02-01 Access restriction Med - only permitted where risk has been removed.

Notes:

- Access Restrictions in place to all High Risk areas, unless fabric is removed under Class V.
- Indicative location of Risk.
- Refer to Observation Form and Report for precise locations & details of Risks.
- Drop zones to be determined by the Region.
- Appropriate signage must remain in place for the duration of any imposed restriction.
- Site staff and contractors must be adequately informed.

HIGH-LEVEL FABRIC TACTILE INSPECTION
08/11/2022 to 09/11/2022

ACCESS RESTRICTIONS

PIC030 - Lochleven Castle

High-Level Fabric Tactile Inspection Residual Access Restrictions

HISTORIC ENVIRONMENT SCOTLAND | **ALAINNEACHD FACHDAIDHEIL ALBA**

PIC030-HLR-RAR-01 (REV-A)

DATE: NTS @ AS | DRAWN BY: [REDACTED]

DATE: 11/11/2022 | CHECKED BY: [REDACTED]

SCALE: [REDACTED]

© Note: This is a controlled document. SC0430

REV-A: Glassin Tower closure added 30/11/2022

[PIC030-HLR-RAR-01 \(REV-A\)](#)