

# SHETLAND AMENITY TRUST



## OLD SCATNESS CONDITION SURVEY

MAY 2016

## CONSERVATION HISTORY

During the excavation (1995-2006) elements of the site which appeared unstable on excavation and potentially posed a Health and Safety issue, were pinned using wooden pegs. There were instances where a wall was considered too unstable to permit excavation of the earth supporting this. In these cases the supporting deposits were left in situ. On rare occasions sandbags were introduced as a temporary measure, being moved in order to facilitate further work, and wooden props were introduced at key points: the broch entrance, an intra-mural broch cell and the ditch. The latter area was subsequently backfilled.

When the excavation was "completed", the site was covered with tarpaulins which were weighed down with tyres. Some areas were sandbagged before this happened in order to protect structures and also to enable safe covering of the whole site. This was only intended to be temporary: the tarpaulins would not withstand the weather indefinitely, and the site was concealed from public view. However, it achieved its aim, which was to buy time for the site to be consolidated in a systematic, considered manner. The consequence has been that the site could be gradually opened up to the public, provided that they were accompanied by a guide to ensure safety.

A programme of consolidation began in April 2004. Conservation Structural Engineers, Elliot and Co. used Structure 11 (the best preserved of the wheelhouses) as a trial. This provided the starting point for a methodology which evolved.

The initial phase of consolidation took place between 2004-2008. The purpose of this was to enable the more accessible areas of the monument to be made sufficiently resilient that they could be left uncovered, for public display and interpretation. Exposed archaeological floor deposits were protected with geotextiles and gravel bags, on top of which replica floor surfaces were created. This created a buffer which is between 0.3 -0.5m deep across most of the protected part of the site. A WSI was created for each structure as it was tackled and submitted to Historic Scotland for Scheduled Monument Consent), with areas of intervention identified and recorded on photographs prior to work commencing. This was usually areas requiring pinning, but included a few pieces of wall which needed a measure of rebuilding. Where a supporting earthen baulk had been left in situ during the site excavation (Structure 21) this was excavated in tandem with the consolidation and a DSR prepared. The work was carried out by a team comprising an archaeologist who had been part of the excavation team (Rick Barton) and a drystone worker (Jim Keddie). The drystone worker was selected through an exercise to reproduce a piece of wall which was photographed on the site. The principle was (and remains) one of minimum intervention. Each wall was photographed prior to any work taking place and the work required was annotated onto these. Scheduled Monument Consent was obtained prior to any work being carried out. Some excavation was necessary in Structure 21, where supporting deposits had been left in situ. This was carried out by

Rick Barton and a DSR was produced. A summary of the work carried out is presented in

Table 1: Conservation carried out 2004-2008

| Structure  | Work done following excavation   | Date       |  |
|--|--|------------|--|
| 11<br>(wheelhouse<br>with bear)                      | Methodologies for site use developed.<br>Initial Consolidation Report prepared as a<br>model for use across the site   | April 2004 | Elliot and Co<br>(structural<br>engineers) |
| 11 (&20)<br>(wheelhouse<br>with bear)                | Supplementary Report:<br>Walls consolidated (low level intervention<br>required)<br>Gravel sacks and chips used to protect floor<br>surfaces<br>Turf added to wall heads   | 2004       | Barton &<br>Keddie                         |
| 12 and 8<br>(roundhouse<br>with oven<br>outbuilding) | Walls consolidated (low-medium intervention)<br>Gravel sacks and chips used to protect floor<br>surfaces<br>Turf added to wall heads   | 2005       | Barton &<br>Keddie                         |
| 14<br>(egg shaped<br>roundhouse)                     | Consolidation Report   | May 2005   | Elliot and Co<br>(structural<br>engineers) |
| 14<br>(egg shaped<br>roundhouse)                     | Supplementary Report:<br>Walls consolidated (low-medium intervention)<br>Gravel sacks and chips used to protect floor<br>surfaces<br>Turf added to wall heads  | April 2005 | Barton &<br>Keddie                         |
| 21<br>(large<br>roundhouse,<br>north-east)           | Walls consolidated (as per plan of 2/9/06)<br>Gravel sacks and chips used to protect floor<br>surfaces<br>Turf added to wall heads   | 2008       | Barton &<br>Keddie                         |
| 22 & 23<br>(mid zone)                                | Gravel sacks and chips used to protect floor<br>surfaces<br>Sandbagging of many piers  | 2007       | Barton &<br>Keddie                         |
| 6<br>(small<br>wheelhouse)                           | Gravel sacks and chips used to protect floor<br>surfaces<br>Sandbagging of many piers  | 2006       | Barton &<br>Keddie                         |
| 7 (clover leaf,<br>in broch)                         | Minimal sandbagging  |            | Barton &<br>Keddie                         |
| 9 Broch  | Extensive sandbagging on west side of broch:<br>around west entrance, at junction of broch and<br>12, in vicinity of cell 24, and unexcavated NW<br>corner.<br>Tyres in entrance passage<br>Wooden props in entrance passage and<br>southern intra-mural cell. | 2004, 2006 | Excavation<br>team;<br>Barton &<br>Keddie  |
| 16 (secondary<br>piered house in<br>broch)           | Extensive use of sandbags for support  | 2006       | Barton &<br>Keddie                         |
| 15<br>(cell)   | Gravel sacks and chips used to protect floor<br>surfaces   |            |  |

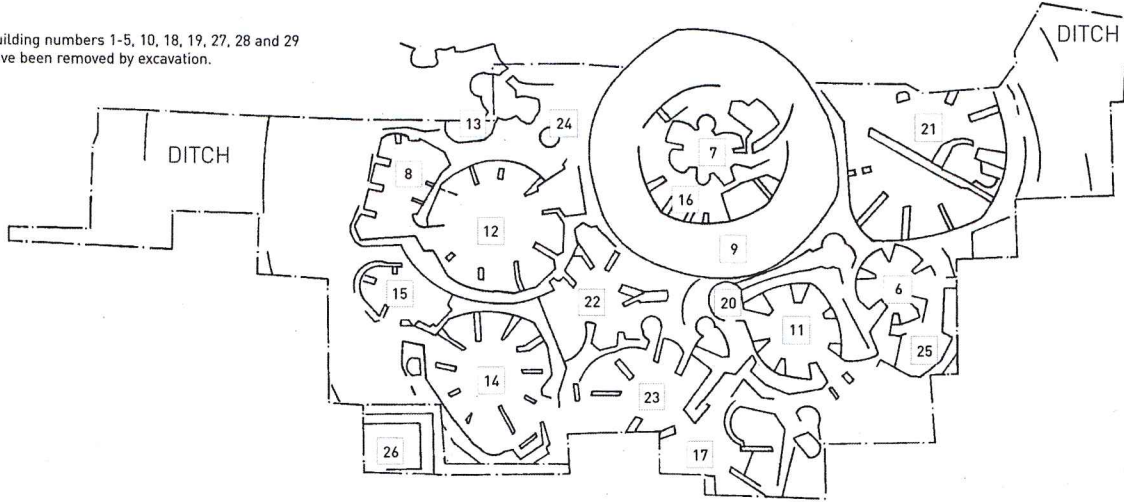
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|--|--|--|--|
| 17<br>(fragments of<br>piered<br>roundhouse) | Gravel sacks and chips used to protect floor<br>surfaces<br>Sandbag support, especially between 17 and<br>11 |  |  |
| 25<br>(roundhouse<br>beneath wh6)            | Gravel sacks and chips used to protect floor<br>surfaces<br>Site edges supported by sandbags                 |  |  |
| 26<br>(Southerhouse)                         | Gravel sacks and chips used to protect floor<br>surfaces   |  |  |

# The site in 2007

## STRUCTURES

- |  |                                    |   |  |
|--|------------------------------------|---|--|
| 6. Small wheelhouse                                    | 11. Wheelhouse                     | 17. Fragments of long piered building                             | 23. Roundhouse                                       |
| 7. Clover leaf building                                | 12. Aisled roundhouse              | 20. Later cell added to wheelhouse (11)                           | 24. Completely roofed cell                           |
| 8. Out building with oven, attached to roundhouse (12) | 13. Pictish building               | 21. Long piered building  | 25. Long piered roundhouse underneath wheelhouse (6) |
| 9. Broch   | 14. Aisled roundhouse              | 22. Fragments of building which was squeezed into the spare space | 26. Southerhouse                                     |
|  | 15. Later alteration to roundhouse |   |  |
|  | 16. Long piered roundhouse         |   |  |

Building numbers 1-5, 10, 18, 19, 27, 28 and 29 have been removed by excavation.



## CONDITION SURVEY 2015-2016

This survey is based on photographs taken in Spring 2015 followed by visual inspection on site in February 2016. It gives an overview assessment of the need for any repair or ongoing maintenance.

Archaeological input: Val Turner and Chris Dyer

Drystone/Structural Advice: Tom Jamieson and Robbie Arthur

The weather was cold but bright at all periods when the assessment was carried out.

### *Key to Priority:*

Immediate: Before summer visitor season commences. This is based on both the needs of the monument and of the Health and Safety needs of staff and visitors to the site.

Short: By end 2016

Medium: within 3-5 years

Long: No later than to be carried out during the project to enclose the site 5-7 years

Where the action is to replace pinnings/small stone or where tell tales are inserted, these will be checked weekly during the visitor season and before out of season visits in order to ensure safety of both visitors and the monument. Immediate action would be to replace pinnings/stones or to cordon off any unsafe area until the issue is addressed. Where tell tales move, a drystone structure advisor will be consulted.

It is envisaged that, in the majority of cases, the driver for the removal of sandbags and turf would be long-term display and that this would be part of the major consolidation and interpretation project. However there may be conservation needs, such as the deterioration of sandbags, which require addressing at an earlier date. The regular use and inspection of the site by staff would quickly identify this mean should it arise.

Table 2: Results of Conditions Survey, 2015/16

| Structure                  | Status                  | Description   | Photo No        | Condition Survey   | Action   | Priority      |
|----------------------------|-------------------------|---|-----------------|--|--|---------------|
| 6<br>(small<br>wheelhouse) | No<br>visitor<br>access | Overall: survives 0.5-1m<br>above false ground<br>surface | General<br>view | Bases of walls protected by sand<br>bags   | Remove sandbags to assess level of<br>intervention for permanent display           | Medium/Long   |
|                            |                         | Triangular Pier   | 6/ 50,51        | Partial collapse due to water<br>erosion of earth core   | Rebuild, introduce core material,<br>excavate surviving earth core if<br>necessary | Short/Medium  |
|                            |                         | Straight pier   | 6/ 57,58        | Stable, loose stone on wall head   | Check loose stone  | Short /Medium |
|                            |                         | Outer wall  | 6/ 59           | Stable, some movement of small<br>stone  | Replace fallen pinnings  | Immediate     |
|                            |                         | Triangular pier   | 6/62,64         | End very stable but could split<br>between faces further back due<br>to weather erosion        | Tell-tale  | Short/Medium  |
|                            |                         | Triangular pier tied in to<br>back wall                   | 6/ 66, 68       | Stable   |  |               |
|                            |                         | Back wall of structure                                    | 6/67            | Middle section could potentially<br>destabilise as earth core is<br>subject to weather erosion | Additional sandbag required  | Short         |
|                            |                         |   | 6/<br>69,71,73  | Stable, faces lean towards one<br>another.   |  |               |

| <i>Structure</i>          | <i>Status</i>     | <i>Description</i>                                  | <i>Photo No</i> | <i>Condition Survey</i>  | <i>Action</i>  | <i>Priority</i> |
|---------------------------|-------------------|---|-----------------|--|--|-----------------|
| 7 (clover leaf, in broch) | No visitor access | Overall: survives up to 2m above sandbagged surface | General view    | Extremely well built and protected from elements by being within the broch. Very stable.<br>Some loss of pinnings                          | Replace pinnings and weed kill where necessary in spring | Immediate       |
|                           |                   | Northern circumference and pier                     | 7/ 1886, 1892   | Some loss of stone from wall head, probably blown, coincident with where the outer broch wall is lowest due to damage at discovery in 1975 | Restore fallen stone                                     | Short/Medium    |

| <i>Structure</i> | <i>Status</i>                 | <i>Description</i>                                      | <i>Photo No</i>                                     | <i>Condition Survey</i>   | <i>Action</i>  | <i>Priority</i>          |
|------------------|-------------------------------|---|---|---|--|--------------------------|
| 9 Broch          | Overall:<br>Limited<br>access | Overall: stands 2-4m<br>above current false<br>surfaces | General   | Stone is weathering and<br>splitting due to exposure but<br>overall, the structure is very<br>stable. Main point of weakness<br>is west entrance passage<br>(recorded under 16) | Remove sandbags and address<br>issues connected with stabilising the<br>entrance. Will require structural<br>engineering input.  | Medium/Long              |
|                  | Visitor<br>access             | Walling abutting broch<br>wall (interface with St12)    | 9/1702  | Largely supported with<br>sandbags, ensure stability  | Address with pinnings, add sandbag<br>if this is insufficient  | Immediate/Short          |
|                  | No<br>access                  | Cell in S side of wall                                  | 9/1923  | Wooden support is now aging.<br>Was put in to support<br>corbelling, but this might not be<br>necessary – may look alarming<br>but appears stable.<br>West side is sandbagged.  | Remove wooden support and assess<br>with drystone/structural input. If<br>necessary replace with aluminium<br>box section, painted brown/green.<br>If it collapses – straightforward to<br>rebuild.<br>Remove sandbags to assess the<br>west side of the cell. | Medium/Long              |
|                  | No<br>access                  | Area between broch and<br>St 11                         | 9/ 1727,<br>1729, 1730,<br>2,3,4,6,8<br>1740,2,3,,6 | Narrow gap between broch wall<br>and back of St 11 currently<br>sandbagged  | Remove to assess stability.<br>Probability is that it will be.<br>Check pinnings   | Medium/Long<br><br>Short |
|                  | No<br>access                  | Triangular area abutting<br>broch and St 21             | 9/1752,8<br>1760                                    | Broch wall stable, abutting<br>walls thin and small stone   | Check pinnings and popped stone,<br>replace if necessary   | Short/Medium             |
|                  | No<br>access                  | Behind St 21, inner face<br>of inner face               | 9/1763  | Appears disturbed and<br>potentially eroding; includes<br>sandbagged area   | Tell-tale on exposed face<br>Remove sandbags to inspect  | Short<br>Medium/Long     |
|                  | Access                        | NW face   | 9/1770, 1771  | Pinnings on ground<br>Two stones overhanging, one<br>large – both are displaced,<br>probably at time of discovery in<br>1975  | Replace pinnings<br>Tell-tale (line drawn?) on underside<br>of stone to check regularly for<br>movement, or move back onto line of<br>wall   | Immediate                |

|                        |           |                     |                           |   |  |                 |
|------------------------|-----------|---------------------|---------------------------|---|--|-----------------|
| 9 Broch<br>(continued) | Access    | NNW face            | 9/1772,3                  | Stable, pinnings out  | Replace pinnings   | Immediate       |
|                        | Access    | North face          | 9/<br>1774,1776,<br>1778  | Wall was disturbed when uncovered by plant in 1975. Stands c0.8 - 0.5m at this point.   | A few stones on wall head are overhanging and should be realigned with wall face<br>Pinnings to be replaced        | Immediate/Short |
|                        | Access    | Northeast edge      | 9/ 1779                   | Piece of walling which digger has pulled out of true. Is stable (large tie stones present).   | Tell-tales to check stability  | Immediate/Short |
|                        | No Access | NE face             | 9/ 1783                   | Stable, largely inaccessible until further work on cell 20/excavation carried out   |  | Long/indefinite |
|                        | No access | North door and cell | 9/1787,89,<br>92,93,94,95 | Face was damaged during discovery, has been partially exposed since 1975 and faces the weather from the north. It is therefore the most vulnerable side of the broch.<br>Stairs have been subject to splitting; Cell appears stable<br>Blocked doorway appears loose but may not be; erosion of earth | Pinnings required for steps,<br>Cell – tell tales<br>Blocked doorway – pinnings and tell tales to assess stability | Immediate/Short |

| <i>Structure</i>                     | <i>Status</i> | <i>Description</i>   | <i>Photo No</i>            | <i>Condition Survey</i>  | <i>Action</i>  | <i>Priority</i>             |
|--------------------------------------|---------------|--|----------------------------|--|--|-----------------------------|
| 16 (secondary piered house in broch) | No access     | Set inside the broch and outside the clover leaf building, this is a well-built structure which has been extensively sandbagged. |                            |  |  |                             |
|                                      |               | East side  | 16/ 1804 - 1809            | Stable, largely protected by sandbags  | For long-term display, remove sandbags to inspect and determine further action                         | Long                        |
|                                      |               | East core  | 16/ 1810                   | Loose interior has largely locked itself. Earth infill may be washed through but is largely protected by the two exterior walls. There is no indication that the core is exerting any adverse pressure on the broch walls. Stable. |  |                             |
|                                      |               | E inner broch wall and skin of 16  | 16/1815                    | Loose wallheads, walls protected by sandbags. Stable whilst sandbags in place.   | For long-term display, remove sandbags to inspect and determine further action                         | Long                        |
|                                      |               | E – broch wall and skin of 16  | 16/ 1816                   | Some pinnings/ small stone out of place  | Replace pinnings<br><br>For long-term display, remove sandbags to inspect and determine further action | Immediate/short<br><br>Long |
|                                      |               | SE piers and broch wall  | 16/ 1820, 1832, 1824, 1826 | Stable. A lot of supporting sandbags.  | For long-term display, remove sandbags to inspect and determine further action                         | Long                        |
|                                      |               | Lintel between 16 and 7  | 16/ 1828                   | Open joint under lintel on east side. Lintel tied into main wall   | Tell-tales - establish whether this joint is moving  | Immediate/Short             |

|                   |  |                               |                                  |   |  |                             |
|-------------------|--|-------------------------------|----------------------------------|---|--|-----------------------------|
| 16<br>(continued) |  | S cell                        | 16/ 1831,<br>1834, 1835          | Pinnings/small stone out of place<br>Sandbags at back of 7                              | Replace pinnings<br><br>For long-term display, remove sandbags to inspect and determine further action           | Immediate/Short<br><br>Long |
|                   |  | Pier (west)                   | 16/ 1838,<br>1845                | Check pinnings<br>Determine whether lower courses are moving on N side                  | Replace any missing pinnings<br>Tell-tale on north side  | Immediate/<br>Short         |
|                   |  | Pier (west)                   | 16/1839                          | A missing stone low down and erosion of soil has led to some movement of stone above it | Tell-tale to determine stability   | Immediate/<br>Short         |
|                   |  | Broch wall west               | 16/ 1841,<br>1849, 1849,<br>1850 | Small pinnings within wall structure but appears intact, stable                         | Check in case of missing pinnings  | Immediate/<br>Short         |
|                   |  | Broch entrance passage, west  | 16/ 1858,<br>1859, 1860          | Supported by wooden frame and tyres. Currently stable.                                  | Annual check that wooden frame is not decaying.<br>Remove frame and tyres to assess and determine further action | Annual<br><br>Long          |
|                   |  |                               | 16/1862                          | Stone out of line. Stable   | Access difficult. Assess when passage is examined  | Long                        |
|                   |  | NW Broch wall – interior cell | 16/ 1859,<br>1872                | Stable  |  |                             |

| <i>Structure</i>                      | <i>Status</i>                              | <i>Description</i>  | <i>Photo No</i>       | <i>Condition Survey</i>   | <i>Action</i>  | <i>Priority</i>         |
|---------------------------------------|--|---|-----------------------|---|--|-------------------------|
| 11 (&20)<br>(wheelhouse<br>with bear) | Public<br>Access<br>via<br>wooden<br>steps | Consolidated<br>wheelhouse standing up<br>to 1.5m above false<br>floors. Turf on wall<br>heads. New steps<br>inserted Dec 2015. |                       | Stable. Some pinnings inserted<br>during the consolidation have<br>fallen                           | Replace pinnings<br>Remove sandbags and turf capping<br>to assess level of intervention for<br>permanent display | Immediate/Short<br>Long |
|                                       |  | S pier  | 11/ 04, 05,06         | Stable. A fallen stone, turf top<br>eroding.  | Replace stone<br>In spring, assess need for additional<br>turf   | Immediate/Short         |
|                                       |  | Back wall includes<br>blocked doorway   | 11/ 07                | Blocking has fallen but it largely<br>locked  | Tell-tales in ensure stability of<br>blocking  | Immediate/Short         |
|                                       |  | Pier  | 11/ 08, 09            | Stable. Turf is now patchy  | Remove and assess whether turf is<br>helpful or detrimental. Add new turf if<br>appropriate.                     | Immediate/Short         |
|                                       |  | Back wall with blocking   | 11/10                 | Walling is stable.  | Tell-tale in blocking  | Immediate/Short         |
|                                       |  | Pier  | 11/ 11, 13            | Stable, fallen pinnings. Turf on<br>wall heads very eroded  | Replace pinnings<br>Assess value of turf, replace if<br>required   | Immediate/Short         |
|                                       |  | Back wall and entrance<br>to cell 20  | 11/ 15                | Stable. Turf on wall head<br>eroded   | Assess value of turf, replace if<br>required   | Immediate/Short         |
|                                       |  | Cell 20   | 11/ 18, 20,<br>21, 22 | Stands up to 0.4m high, Pictish<br>building style. Stable but some<br>loss of small stone/ pinnings | Replace small stone and turf as<br>appropriate   | Immediate/Short         |
|                                       |  | Triangular (bear) pier,<br>loss of orthostat in<br>prehistory, cupboard in<br>north face  | 11/ 23, 24,<br>26     | Stable. Turf eroding, front joint<br>is vulnerable.   | Extend turf to front end of wall head<br>Tell tales on end face and at end of<br>cupboard lintel                 | Immediate/Short         |
|                                       |  | Back wall   | 11/27                 | Stable, a few pinnings lost   | Replace pinnings   | Immediate/Short         |
|                                       |  | Pier ,back wall and inner<br>structure  | 11/ 28,<br>29,30, 32  | Fallen stone  | Replace fallen stone   | Immediate/Short         |
|                                       |  |   |                       |   |  |                         |

|                         |  |                  |            |   |   |                 |
|-------------------------|--|------------------|------------|---|---|-----------------|
| 11 (&20)<br>(continued) |  | Pier             | 11/ 34, 35 | Stable, a few pinnings lost, turf eroding, turf eroding. Front is less well constructed than back.  | Replace pinnings, assess turf<br>Tell-tale at join between front and back | Immediate/Short |
|                         |  | Back wall        | 11/ 36     | Mix of building styles, upper walling has slumped in past. Turf may be adding undesirable pressure. | Replace pinnings, assess turf<br>Tell-tale in upper walling               | Immediate/Short |
|                         |  | Pier             | 11/ 37, 39 | Some pinnings and possibly a stone lost<br>Turd eroding   | Replace pinnings, assess turf<br>Tell-tale in upper walling               | Immediate/Short |
|                         |  | Abutting walling | 11/ 41     | Much more crudely built, turf eroding   | Tell-tales, assess turf   | Immediate/Short |
|                         |  | Walling          | 11/42      | Approx 0.4m high, supported by sandbags. Top stones have slumped                                    | Remove sandbags and assess for long term display                          | Long            |

| <i>Structure</i>   | <i>Status</i>            | <i>Description</i>   | <i>Photo No</i> | <i>Condition Survey</i>  | <i>Action</i>   | <i>Priority</i>     |
|--------------------|--------------------------|--|-----------------|--|---|---------------------|
| 12<br>(roundhouse) | Easy<br>public<br>access | Consolidated roundhouse standing on average 0.6m above false floors (c1.5m beside broch; c0.3m at entrance). Turf on wall heads. |                 | Stable. Some pinnings inserted during the consolidation have fallen. Some of the turf needs refreshing and in a few places removing. | Remove turf capping and sandbags to assess level of intervention for permanent display                | Long                |
|                    |                          | Wall on east side  | 12/ 52, 53,54   | Turf has slumped.  | Cut turf back from slumped areas, replace turf where necessary  | Immediate/<br>Short |
|                    |                          | Back of cell   | 12/ 55          | Stable   |   |                     |
|                    |                          | Back of adjacent cell (south)  | 12/ 56          | Stable, some pinnings lost, geotextile protruding from under turf  | Replace pinnings, cut back geotextile at sides, returf where necessary                                | Immediate/<br>Short |
|                    |                          | Pier   | 12/ 58          | Loss of some pinnings. Front of pier is supported by a column of small stone.  | Replace pinnings. Insert tell-tale at top of column   | Immediate/<br>Short |
|                    |                          | Pier   | 12/ 59, 60      | Stable. Although back end of pier (S facing) looks loose, it is currently supported by the turf behind.                              | Assess consolidation needs when turf is removed for long-term display                                 | Long                |
|                    |                          | Pier   | 12/ 62, 64      | Stable. A few fallen pinnings on East facing side. West facing joint into looser back wall may require attention                     | Replace pinnings. Tell-tale in the interface  | Immediate/<br>Short |
|                    |                          | Wall – possible blocking   | 12/ 65          | More loosely constructed walling. Looks unstable but is held by large stones. Denuded turf cover.                                    | Insert tell tales to establish stability. Remove scrappy turf and assess whether to replace or leave. | Immediate/<br>Short |
|                    |                          | Wall   | 12/ 66, 68      | Well-constructed walling, some vertical cracking   | Tell-tale   | Immediate/<br>Short |

| <i>Structure</i>  | <i>Status</i> | <i>Description</i>        | <i>Photo No</i>   | <i>Condition Survey</i>  | <i>Action</i>   | <i>Priority</i>         |
|-------------------|---------------|---------------------------|-------------------|--|---|-------------------------|
| 12<br>(continued) |               | Pier                      | 12/70             | Stable.  | Tell-tale on N facing side, towards joint   | Immediate/<br>Short     |
|                   |               | Wall with doorway         | 12/ 75            | Both sides have slumped towards the door, lintel in place. Supported by sandbags on external face.                 | Tell-tales on internal face, both sides<br>Assess consolidation needs when sandbags are removed for long-term display       | Immediate/Short<br>Long |
|                   |               | Pier                      | 12/76, 78         | Looks very unstable as poorly built. Large top-stones are stabilising much of it                                   | Tell-tales  | Immediate/<br>Short     |
|                   |               | Back wall                 | 12/ 81            | Stable, turf on top  |   |                         |
|                   |               | Piers                     | 12/ 83, 84,<br>86 | Stable   |   |                         |
|                   |               | Back wall                 | 12/ 86            | Stable, secured with turf, a few lost pinnings   | Trim turf, replace pinnings   | Immediate/<br>Short     |
|                   |               | Staircase                 | 12/ 87            | Stable, turf on north side denuded   | Replace turf and trim netting   | Immediate/<br>Short     |
|                   |               | Wall - north side of cell | 12/ 90            | Two building phases, much looser to the west. Turf capping. A few pinnings fallen. Entrance infilled with sandbags | Replace pinnings, tell-tale at joint<br>Assess consolidation needs when sandbags and turf are removed for long-term display | Immediate/Short<br>Long |
|                   |               | Wall – east side of cell  | 12/ 91, 92        | Above the lower courses there has been significant intervention and geotextile inserted inappropriately.           | Trim geotextiles to improve appearance<br>Remove geotextile as necessary  | Immediate/Short<br>Long |
|                   |               | Wall – south side of cell | 10/ 95            | Exposed walls table. Projecting stone, possible lintel, supported with sandbags, includes wooden pinning           | Replace wooden pin. Tell-tale.<br>Assess consolidation needs when sandbags are removed for long-term display                | Immediate/Short<br>Long |

| <i>Structure</i>                            | <i>Status</i>      | <i>Description</i>   | <i>Photo No</i> | <i>Condition Survey</i>  | <i>Action</i>  | <i>Priority</i> |
|---|--------------------|--|-----------------|--|--|-----------------|
| 8<br>(outbuilding attached to 12 with oven) | Easy public access | Consolidated structure standing 0.2 - 0.5m above false floors Turf on external wall heads. |                 | Stable. Little loss of pinnings. Some of turf capping has not taken and may be causing undue pressure. | Remove turf capping to assess level of intervention for permanent display      |                 |
|   |                    | Low walling at entrance way  | 8/ 21           | Turf covering has not taken and appears to have caused collapse at west end                            | Remove turf and assess need for replacement/ leaving open. Rebuild fallen end. | Immediate/Short |
|   |                    | Walling at south end   | 8/ 24           | Turf covering eroding and has spread at west end   | Assess turf  | Immediate/Short |
|   |                    | Walling north side of entrance   | 8/ 25           | Cracked stone requires realigning  | Realign stone  | Immediate/Short |
|   |                    | West wall, low   | 8/ 27           | Stable   |  |                 |
|   |                    | Pier   | 8/ 28           | Stable   |  |                 |
|   |                    | Pier   | 8/ 31, 33       | Joint at back but low, stable  |  |                 |
|   |                    | Walling  | 8/34            | Revetted by turf   | Stable   |                 |
|   |                    | Pier   | 8/34, 36        | Stone out of line  | Realign  | Immediate/Short |
|   |                    | Walling between two piers at north-west corner   | 8/ 36           | Revetted by turf   | Stable   |                 |
|   |                    | Pier   | 8/36, 38        | Top stone out of alignment, turf top eroded, excess geotextile   | Remove a turf and peel back geotextile to assess.                              | Immediate/Short |
|   |                    | North wall   | 8/ 39           | Loose construction, turf covering eroding  | Tell-tale<br>Repair turf where necessary                                       | Immediate/Short |
|   |                    | North-east corner  | 8/ 42           | Includes blocked entrance  | Tell-tale  | Immediate/Short |
|   |                    | Slab features  | 8/ 45, 47       | Stable   |  |                 |
|   |                    | Wall between 8 and 12, behind slab features  | 8/ 47,48        | Some jointing and turf coverage not uniform  | Tell-tales and assess turf cover   | Immediate/Short |
|   |                    | Oven   | 8/ 51           | Stable   |  |                 |

| <i>Structure</i>              | <i>Status</i> | <i>Description</i>  | <i>Photo No</i> | <i>Condition Survey</i>   | <i>Action</i>   | <i>Priority</i> |
|-------------------------------|---------------|---|-----------------|---|---|-----------------|
| 14<br>(egg shaped roundhouse) | Public Access | Aisled roundhouse with mainly free-standing piers. Consolidated, with false floors. Some sandbagging supporting piers. Turf mainly restricted to the external wall-heads. |                 |   | Remove turf capping throughout and sandbags to assess level of intervention for permanent display | Long            |
|                               |               | SE pier   | 14/ 08, 09      | Pinning on ground. Overhang at inner end, appears stable  | Replace pinning<br>Tell-tale  | Immediate/Short |
|                               |               | SW pier, short  | 14/ 11, 13,15   | Pinnings on ground  | Replace pinning   | Immediate/Short |
|                               |               | Longer SW pier  | 14/16, 17, 18   | Includes several small columns of stone   | Tell-tale   | Immediate/Short |
|                               |               | Slab features   | 14/ 19, 20      | Stable  |   |                 |
|                               |               | West pier   | 14/ 21, 22      | Stable  |   |                 |
|                               |               | SE outer wall   | 14/ 93, 94      | Low, stable, entrance filled with sandbags – there is a change of level internally and externally | Remove sandbags to assess level of intervention for permanent display                             | Long            |
|                               |               | SE recess   | 14/ 95          | Low wall, retained by gravel covered sandbags/false floor behind                                  | Remove sandbags/false floor to assess level of intervention for permanent display                 | Long            |
|                               |               | Outer wall, south end   | 14/ 96          | Several joints within low wall, Partly covered/revetted by turf                                   | Tell-tales  | Immediate/Short |
|                               |               | Outer wall, SSW   | 14/ 97          | Loosely built section of low wall Partly covered/revetted by turf                                 |   |                 |
|                               |               | Outer wall, SW  | 14/ 98          | Low wall, partly covered/revetted by turf   |   |                 |
|                               |               | Outer wall, W   | 14/ 200, 201    | Low wall, partly covered/revetted by turf   |   |                 |
|                               |               | Entrance to cell  | 14/202          | Low wall and low entrance with lintel   | Stable  |                 |

|                   |  |                                    |                   |   |   |                 |
|-------------------|--|------------------------------------|-------------------|---|---|-----------------|
| 14<br>(continued) |  | Outer wall, south of entrance      | 14/ 203           | Loosely built, Low wall, partly covered/revetted by turf, Fallen pinning  | Replace pinning   | Immediate/Short |
|                   |  | Entrance passage, south side       | 14/ 204           | Low wall, partly covered/revetted by turf   | Tell-tale at the outer end  | Immediate/Short |
|                   |  | Wall behind entrance passage       | 14/205            | Turf covered, some erosion stable   | Assess need for additional turf   | Immediate/Short |
|                   |  | Cell on west side                  | 14/ 208, 210, 211 | Low, turf covered wall, loose construction on north side  | Tell-tale   | Immediate/Short |
|                   |  | North wall of entrance passage     | 14/ 214           | Well constructed, Stable  |   |                 |
|                   |  | NW pier                            | 14/ 216, 218, 219 | Well constructed, some vertical cracking  | Tell-tales  | Immediate/Short |
|                   |  | NW outer wall                      | 14/220            | Vertical joints   | Tell-tales  | Immediate/Short |
|                   |  | Pier, NW                           | 14/ 221,247       | Low walling with some vertical joints   | Tell-tales  |                 |
|                   |  | N outer wall, including scarcement | 14/ 226,227       | Stable, geotextile protruding beneath turf  | Trim geotextile   | Immediate/Short |
|                   |  | NE outer wall                      | 14/ 228, 239      | Walling includes three lintelled spaces, small column supporting one end of open entrance and stone above slumping. Turf eroding back here. | Tell-tales<br>Tidy exposed geotextile and assess need for recovering or removal | Immediate/Short |
|                   |  | E outer wall                       | 14/ 229, 230, 242 | Stonework leans to the north  | Tell-tales  | Immediate/Short |
|                   |  | Pier, N                            | 14/ 232, 246      | Higher end loosely built  | Tell-tales  | Immediate/Short |
|                   |  | Pier, NE                           | 14/ 240, 241      | Low, stable   |   | Immediate/Short |
|                   |  | Pier, E                            | 14/ 244, 253      | Stable  |   |                 |

| <i>Structure</i> | <i>Status</i>             | <i>Description</i>  | <i>Photo No</i> | <i>Condition Survey</i>   | <i>Action</i>   | <i>Priority</i>                    |      |
|------------------|---------------------------|---|-----------------|---|---|------------------------------------|------|
| 15<br>(cell)     | Visible from edge of site | Fragmentary remains of a large cell or small building, situated between Sts 12 & 14. Consolidated, with false floors. Some sandbagging supporting piers. Turf mainly restricted to the external wall-heads. |                 |   |   | Remove false floors<br>Remove turf | Long |
|                  |                           | Line of stone   | 15/ 55          | Stable  |   |                                    |      |
|                  |                           | Two low lying piers   | 15/ 58          | Stable  |   |                                    |      |
|                  |                           | Back of St 12, turf covered   | 15/ 58, 59      | A few pinnings lost.  | Replace fallen pinnings   | Immediate/Short                    |      |
|                  |                           | Lintelled space and wall to west  | 15/59, 61       | W end of lintel supported by small stones. Turf badly eroded west of lintel | Tell-tale at W edge of lintel<br>Tidy turf, replace if required | Immediate/Short                    |      |
|                  |                           | W end of back wall of cell/ back of St 12   | 15/63, 64, 65   | Low lying, a few lost pinnings. Turf has taken very badly.                  | Replace fallen pinnings.<br>Remove and add turf where necessary | Immediate/Short<br>Medium          |      |
|                  |                           | Cell wall   | 15/ 66, 68      | High small-stone content, a few fallen pinnings                             | Replace fallen pinnings   | Immediate/Short                    |      |
|                  |                           | Pier  | 15/69           | Rough construction but appears stable                                       | Tell-tale   | Immediate/Short                    |      |
|                  |                           | Back of cell  | 15/76, 77       | Fallen pinning  | Replace fallen pinnings   | Immediate/Short                    |      |
|                  |                           | Pier/cell wall  | 15/ 79          | Leaning but appears stable  | Tell-tale   | Immediate/Short                    |      |
|                  |                           | Pier/cell wall  | 15/80           | Some slippage from very low walling (two courses)                           | Reinstate fallen stone  | Medium                             |      |
|                  |                           | Pier/cell wall  | 15/81           | Crudely built, fallen pinning   | Replace fallen pinning  | Immediate/Short                    |      |

| Structure                                    | Status                             | Description   | Photo No  | Condition Survey  | Action  | Priority                   |
|--|------------------------------------|---|-----------|---|---|----------------------------|
| 17<br>(fragments of<br>piered<br>roundhouse) | Visible<br>from<br>edge of<br>site | Fragmentary remains<br>which have had false<br>floor inserted, turf<br>capping of walls shared<br>with structure 11 |           |   | Consolidate   | Long term                  |
|  |                                    | Back of St 11, possible<br>inner ace added. Turf<br>covered. Well built.  | 17/ 64,65 | Stable  |   |                            |
|  |                                    | Back of cell? Roughly<br>built.   | 17/66     | Stable  |   |                            |
|  |                                    | Area of loose stone<br>between two faces.<br>Sandbags   | 17/ 67    | Stable <i>pro tem</i>   |   |                            |
|  |                                    | Walling, partly supported<br>by sandbag   | 17/ 68    | Stable <i>pro tem</i>   |   |                            |
|  |                                    | Walling with high soil<br>content   | 17/69     | Stable, but in danger from rain<br>washing soil out                             | Keep under review   | Ongoing                    |
|  |                                    | Walling at back of St 11,<br>and to the south   | 17/71     | Back of St 11, turf eroding.<br>Wall to south, some cracking,<br>leans to south | Replace turf if needed<br>Keep under review. Add gravel sacks<br>if necessary | Immediate/Short<br>Ongoing |
|  |                                    | Walling with lintelled<br>spaces  | 17/ 76    | Some cracking, including of<br>stone securing one end of<br>lintel.             | Tell-tale. Keep under review  |                            |
|  |                                    | Walling   | 17/78     | Stable  |   |                            |
|  |                                    | Walling   | 17/80     | Stable, low lying, pinning fallen   | Replace pinning   | Immediate/Short            |
|  |                                    | Walling   | 17/82     | Wall leaning, supported by<br>gravel sack. Stable <i>pro tem</i>                |   |                            |
|  |                                    | Pier  | 17/ 83    | Low lying, includes some soil.<br>Stable  | Keep under review   |                            |
|  |                                    | Walling   | 17/ 84    | Primarily comprising thin<br>dressed stone. Stable                              | Keep under review   |                            |

|                |  |                             |             |   |   |                        |
|----------------|--|-----------------------------|-------------|---|---|------------------------|
| 17 (continued) |  | Walling                     | 17/ 85      | Irregular, 2-3 courses. Stable  | Keep under review                       |                        |
|                |  | Pier                        | 17/ 86. 87, | Stable  |   |                        |
|                |  | Walling inside/against pier | 17/ 89      | Stable  |   |                        |
|                |  | Pier                        | 17/ 90      | Some cracking and a fallen stone  | Replace fallen stone. Keep under review | Immediate/Short review |
|                |  | Walling                     | 17/ 92,93   | Stable  |   |                        |
|                |  | Pier                        | 17/ 94      | Stable  |   |                        |
|                |  | Walling                     | 17/ 96, 99  | Partly supported by gravel sacks. Unsupported walling leaning.                          | Keep under review                       |                        |
|                |  | Walling                     | 17/ 01, 03  | Wall face sloping towards centre of wall. Triangular area of walling. Currently stable. | Keep under review                       |                        |

| <i>Structure</i>                     | <i>Status</i> | <i>Description</i>  | <i>Photo No</i>  | <i>Condition Survey</i>  | <i>Action</i>                            | <i>Priority</i>             |
|--------------------------------------|---------------|---|------------------|--|--|-----------------------------|
| 21<br>(large roundhouse, north-east) | Public access | Largest roundhouse, clipped by road construction. Piers. Subdivided by central wall. Corn-drying kiln inserted later. Consolidated, with false floors. Wall heads not turfed. |                  |  |  |                             |
|                                      |               | Subdividing wall, E end, beside kiln. N face. Built of dressed stone. Upper courses disturbed.  | 21/ 74, 75       | N face stable  |  |                             |
|                                      |               | Kiln inner faces, dressed stone   | 21/76, 77,78, 79 | A few small pinnings fallen  | Replace pinnings                         | Immediate/Short             |
|                                      |               | Subdividing wall, N face adjacent to floor for kiln. Dressed stone  | 21/ 82           | N face stable  |  |                             |
|                                      |               | Wall west of kiln floor, partly coursed, partly Pictish style   | 21/ 82, 83       | Stable   |  |                             |
|                                      |               | Pier N of kiln, N face supported by gravel sacks on south side  | 21/ 84           | Stable <i>pro tem</i>  | Replace gravel sacks with cradle support | Long                        |
|                                      |               | N face of above   | 21/85            | West end is stable, some loose stone has fallen from east end, earth included in core is washing out, gravel sack affords some protection to earth | Excavation and repair                    | Long, but keep under review |
|                                      |               | S face of above   | 21/86            | Slumping to the north (into  | Excavation and repair                    | Long, but keep              |

|                |  |  |                        |  |   |   |
|----------------|--|--|------------------------|--|---|---|
|                |  |  |                        | core), gravel sacks protect east end, soil in core                                     |   | under review  |
| 21 (continued) |  | NE Pier  | 21/ 87                 | Gravel sacks cover more than half  | Remove sacks to determine condition and action                            | Long  |
|                |  | NE Pier at rightangles to above, dressed stone, several small spaces ("cupboards") built into N face | 21/88, 89              | Stable, although upper stones appear precarious  | Tell-tale   | Immediate/Short                                       |
|                |  | NE wall, includes undressed stone, supported by gravel sacks on N side                               | 21/ 90                 | Stable   | Remove sacks to determine condition and action                            | Long  |
|                |  | Internal wall, supported by gravel sacks, includes significant amounts of earth                      | 21/ 92, 102            | Lower parts supported by sacking, top appears unstable but no evidence of fallen stone | Tell-tales – if movement, add additional sacking<br>Excavation and repair | Immediate/Short<br>Medium/Long, but keep under review |
|                |  | Short length of wall beside tall orthostat. A line of sacks beside it.                               | 21/93                  | Stable   | Remove sacks to determine condition and action                            | Long  |
|                |  | Short length of wall between two uprights and slab adjacent  | 21/ 94, 95, 96, 99     | Stable   |   |   |
|                |  | West end of central wall, with cupboards – N face  | 21/ 103, 104, 105, 106 | Stable, some pinnings slipped  | Restore pinnings  | Immediate/Short                                       |
|                |  | West end of central wall, cross section. Faces both lean outwards slightly                           | 21/ 108                | Looks stable, but could be moving apart  | Tell-tales across width   | Immediate/Short                                       |
|                |  | West end of central wall, S face. Dressed stone,   | 21/109                 | Looks stable, tell-tales to test this  | Tell-tales  | Immediate/Short                                       |

|                |  |  |                  |   |   |                         |
|----------------|--|--|------------------|---|---|-------------------------|
|                |  | some cracking, upper stones loose  |                  |   |   |                         |
| 21 (continued) |  | As above, further W. Upper courses have been disturbed (by road construction?) and are loose | 21/111, 112      | Check on stability of upper stones and also check on lean at highest point            | Tell-tales<br>Create template face or regular measurement of angle of lean with plumb | Immediate/Short         |
|                |  | Outer wall (E side), dressed stone incorporating two large triangular stones                 | 21/ 115          | Stable  |   |                         |
|                |  | Pier, dressed stone, well built  | 21/116, 117,118  | Stable  |   |                         |
|                |  | Outer wall, slightly rougher built, large stones at base                                     | 21/ 120          | Stable  |   |                         |
|                |  | N Pier, two vertical joints, some earth in core  | 21/121, 124      | Inner section appears stable, but area beside back wall more fragile                  | Check pinnings, tell-tales<br>Excavation and repair                                   | Immediate/Short<br>Long |
|                |  | Outer wall with blocked doorway  | 21/ 125, 126     | S side stable, slumping on N side and blocking may not be                             | Tell-tales  | Immediate/Short         |
|                |  | NW Pier  | 21/127, 132, 133 | Low pier, 3 stones slumped at inner end, highest point beside wall, possibly unstable | Stabilise inner end<br>Tell-tale  | Immediate/Short         |
|                |  | Outer wall   | 21/ 134          | Lower wall stable, large stones at top may not be                                     | Tell-tales  | Immediate/Short         |
|                |  | Pier with entrance, includes several uprights  | 21/135           | Stable, but monitor large top stone for potential slippage                            | Tell-tale   | Immediate/Short         |
|                |  | Outer wall with cupboards. Loose top stones  | 21/ 148          | Stable, monitor large top stones for potential slippage due to height                 | Tell-tale   | Immediate/Short         |
|                |  | Outer wall changed   | 21/150, 151      | E face stable, monitor back   | Tell-tales  | Immediate/Short         |

|                |  |   |                  |  |   |                         |
|----------------|--|---|------------------|--|---|-------------------------|
|                |  | angle, well-constructed dressed stone with one large included, core exposed, includes earth and partly protected with sacking |                  | face<br>S face protected with gravel sacks           | Remove sacks to determine condition and action                                      | Long                    |
| 21 (continued) |  | Short length of walling on SE edge, lower levels protected with sacking   | 21/152, 153, 154 | Stone has moved in W face which supports end of pier | Move stone in to prevent collapse<br>Remove sacks to determine condition and action | Immediate/Short<br>Long |

| <i>Structure</i>   | <i>Status</i>          | <i>Description</i>   | <i>Photo No</i> | <i>Condition Survey</i>  | <i>Action</i>  | <i>Priority</i> |
|--|------------------------|--|-----------------|--|--|-----------------|
| 22<br>(mid zone,<br>fragmentary<br>remains of<br>building) | No<br>public<br>access | Fragmentary lengths of walling from an irregular building which maximised the use of space. False floors inserted.   |                 |  |  |                 |
|  |                        | Walling up to 1m high, Pictish style, includes a lot of small stone set into earth   | 22/ 62          | Upper stones appear loose, small stone vulnerable                                    | Tell-tale  | Immediate/Short |
|  |                        | Walling, mainly dressed stone, turf topped, , sandbags at E end  | 22/63           | Pinnings fallen, ragged edges to geotextiles/netting                                 | Replace pinnings, address loose geotextiles/netting            | Immediate/Short |
|  |                        | Walling with low, lintelled doorway. Includes a lot of large stone within courses. Gravel sacks on the south side of the entrance. Turf topped                     | 22/64           | Stable   |  |                 |
|  |                        | Entrance into St 12. Gravel sacks supporting both sides  | 22/65, 66       | Stabilised with gravel sacks   | Remove sacks to determine condition and action                 | Long            |
|  |                        | Cell, coursed dressed stone but roughly built. Footings supported by gravel sacks, turf capping. Section between S pier and back has vertical joints on both sides | 22/ 67, 68,69   | Upper stones appear loose and turf is eroding and possibly slipped in one place (69) | Tell-tales<br>Address turf/geotextile, adding turf if required | Immediate/Short |
|  |                        | Pier, low walling  | 22/ 72, 74      | Upper stones possibly unstable   | Tell-tale  | Immediate/Short |

|                |  |  |                |   |  |                         |
|----------------|--|--|----------------|---|--|-------------------------|
|                |  | between two uprights and walling beyond, rough construction  |                |   |  |                         |
| 22 (continued) |  | Pier leaning inwards, supported by gravel sacks  | 22/ 76         | Upper stones possibly unstable<br>Majority of structure supported by gravel sacks | Tell-tale<br>Remove sacks to determine condition and action    | Immediate/Short<br>Long |
|                |  | Low pier, rough construction   | 22/ 77, 78, 79 | Stable  |  |                         |
|                |  | Walling behind cell 20, rough construction, some cracking  | 22/ 83         | Stable  | Tell-tale  | Immediate/Short         |
|                |  | Walling at right angles to above, also behind cell 20, includes tumbled stone, supported by gravel sacks | 22/ 85, 86     | Stable  | Remove sacks to determine condition and action                 | Long                    |
|                |  | Short length of protruding walling, high earth content   | 22/ 87         | At risk from earth washing out  | Tell tales, keep under review                                  | Immediate/Short         |
|                |  | Pier composed of large stone, pinnings largely missing   | 22/ 88, 89     | Appears stable but a stone has fallen from top                                    | Replace fallen stone<br>Add pinnings as necessary<br>Tell-tale | Immediate/Short         |

| <i>Structure</i>                | <i>Status</i>                                  | <i>Description</i>  | <i>Photo No</i>   | <i>Condition Survey</i>   | <i>Action</i>  | <i>Priority</i>         |
|---------------------------------|--|---|-------------------|---|--|-------------------------|
| 23<br>(Roundhouse,<br>mid zone) | No public<br>access,<br>seen from<br>site edge | Roundhouse,<br>southern side<br>unexcavated, false<br>floors inserted                         |                   |   |  |                         |
|                                 |  | Slab on edge,<br>supported by gravel<br>sacks   | 23/ 18            | Stable  |  |                         |
|                                 |  | Outer walling,<br>slumped to west,<br>supported by sacks                                      | 23/ 20            | Appears stable  | Tell-tale on top west stone<br>Remove sacks to determine<br>condition and action | Immediate/Short<br>Long |
|                                 |  | Walling, low (0.2-<br>0.4m), blocky stone   | 23/21             | Stable  |  |                         |
|                                 |  | Walling, low, rough<br>construction, turf<br>covered, cracking                                | 23/21             | Stable  | Tell-tale  |                         |
|                                 |  | Wall of St 23 and wall<br>of St 22 abut with<br>infilling of small stone<br>between two faces | 23/ 23,24         | Core loose but stable   |  |                         |
|                                 |  | Face of wall above  | 23/ 26            | Loss of pinnings, slight corbel<br>inwards                        | Replace pinnings<br>Tell-tale  | Immediate/Short         |
|                                 |  | Pier, dressed stone,<br>some earth and<br>slumping at north end                               | 23/ 27, 28,       | Vulnerable to earth washing out<br>at north end, otherwise stable | Tell-tale  | Immediate/Short         |
|                                 |  | Back of cell,<br>supported by gravel<br>sacks   | 23/ 29            | Stabilised by sacks   | Remove sacks to determine<br>condition and action                                | Long                    |
|                                 |  | Pier, lintelled spaces<br>supported by gravel<br>sacks, some cracking                         | 23/ 30, 32,<br>31 | Stabilised by sacks   | Remove sacks to determine<br>condition and action                                | Long                    |
|                                 |  | Back of cell,   | 23/ 33            | Stabilised by sacks   | Remove sacks to determine  | Long                    |

|                |  |   |                    |   |   |                         |
|----------------|--|---|--------------------|---|---|-------------------------|
|                |  | supported by gravel sacks   |                    |   | condition and action  |                         |
| 23 (continued) |  | Pier, supported at base by gravel sacks   | 23/ 34, 35         | Stabilised by sacks                                   | Remove sacks to determine condition and action  | Long                    |
|                |  | Walling, low (c 0.4m)   | 23/ 37             | Stable, pinning on ground                             | Replace pinning   | Immediate/Short         |
|                |  | Walling, dressed stone, coursed, gaps probably due to loss of small stone, upper stone loose                                    | 23/ 38             | Some slumping of upper stone at S end.                | Tell tale   | Immediate/Short         |
|                |  | Walling between two orthostats, dressed stone rough   | 23/ 39             | Stable but large stone on orthostat may be vulnerable | Tell tale   | Immediate/Short         |
|                |  | Cell, partly turf capped, Pictish style   | 23/ 41, 42,42      | Stable  |   |                         |
|                |  | Corner of walling, dressed, coursed, some stone possibly fallen from top  | 23/44              | Currently stable                                      | Repair if required  | Long                    |
|                |  | Pier, coursed stone but with spaces, earth visible within core. Leaning to south and supported by gravel sacks. Vertical joint. | 23/ 48, 49, 50, 51 | Stable but vulnerable to earth washing out            | Tell tale<br>Remove sacks to determine condition and action   | Immediate/Short<br>Long |
|                |  | Pier, with several spaces which require stone inserting. Sandbags at south side   | 23/ 53, 54,55      | Stable but vulnerable                                 | Infill spaces with supporting stone<br>Tell-tale at top<br>Remove sacks to determine condition and action – cradle might be best solution | Short<br>Long           |
|                |  | Short length of walling protruding  | 23/ 57             | Loose upper stone                                     | Remove sacks to determine condition and action  | Long                    |

|                |  |   |            |        |  |      |
|----------------|--|---|------------|--------|--|------|
|                |  | from gravel bagged area                             |            |        |  |      |
| 23 (continued) |  | Short length of low walling                         | 23/ 58, 59 | Stable |  |      |
|                |  | Walling, low, dressed, coursed stone, some cracking | 23/ 60     | Stable |  |      |
|                |  | Walling/slabs, largely below gravel floor           | 23/ 61     | Stable | Remove false floor to determine condition and action | Long |

| <i>Structure</i>                                      | <i>Status</i>   | <i>Description</i>   | <i>Photo No</i>           | <i>Condition Survey</i>      | <i>Action</i>   | <i>Priority</i> |
|---|---|--|---------------------------|------------------------------|---|-----------------|
| 25<br>(roundhouse<br>underlying St 6<br>- wheelhouse) | No public<br>access,<br>visible<br>from edge<br>of site | Fragmentary remains<br>of piered roundhouse,<br>largely under gravel<br>bags. False floors<br>inserted.  |                           |                              |   |                 |
|   |   | Slabs visible under<br>gravel sacks  | 25/ 43                    | Largely invisible at present | Remove gravel sacks and false floor<br>to determine condition and action  | Long            |
|   |   | Outer wall, inner face<br>above false floor.<br>Gravel sacks on top,<br>gravel sacks<br>completely cover<br>area behind wall. One<br>stone displaced (46)<br>and corner has<br>stones missing (47) | 25/ 44, 45,<br>46, 47, 48 | Stable                       | Leave stone out of place at present.<br>Remove gravel sacks and false floor<br>to determine condition and action. | Long            |
|   |   | Short length of wall<br>abutting previous<br>wall, encased in<br>gravel bags   | 25/ 49                    | Stable                       | Remove gravel sacks to determine<br>condition and action.   | Long            |

| <i>Structure</i>     | <i>Status</i> | <i>Description</i>  | <i>Photo No</i> | <i>Condition Survey</i> | <i>Action</i> | <i>Priority</i> |
|----------------------|---------------|---|-----------------|-------------------------|---------------|-----------------|
| 26<br>(Southerhouse) |               | Wall standing to 0.6m max above gravel false floor  |                 |                         |               |                 |
|                      |               | North Wall, double faced, dressed stone at north end, beach/field stone at S end. Revetted by turf behind, therefore stable | 26/ 85, 87      | Stable                  |               |                 |
|                      |               | West wall, double faced, dressed and undressed stone coexisting, revetted by turf at edge                                   | 26/ 91,89       | Stable                  |               |                 |

## CONSERVATION STRATEGY

The visible remains at Old Scatness were largely built between 400-200BC and AD 850, the exception being the post-medieval building of Southerhouse. The standard of building varies. In the main it is very accomplished, with a high proportion employing dressed stone. The less well constructed buildings formed part of the Pictish Village which has largely been removed by excavation.

The conditions survey has demonstrated that the areas of the site which currently have public access are largely stable, although requiring pinnings to be reinstated and potential movement to be monitored with tell-tales. Scheduled Monument Consent (SMC) will be sought to enable this to happen as soon as possible, and to be ongoing for the next 5 year period. However, the parts of the site where there is now public access are largely those which were identified as the easiest parts of the site to conserve. Gravel sacks and some wooden frames support areas of the site which are more vulnerable, where it is currently unsafe to let the public go. For this reason, public access to the site is mediated by guides.

The detail of the medium – long term work will be addressed as part of a longer term project. It is proposed that this will involve covering the site to facilitate environmental control. The rationale for this is set out in a separate document (currently in preparation). Further funding will be required in order to address this and will be the subject of grant applications made to appropriate bodies in the near future. In addition to the over-arching scheme of work, the detail of consolidation required will be considered building by building in subsequent Written Schemes of Investigation which will be submitted to Historic Environment Scotland for Scheduled Monument Consent when they are prepared. This document provides a starting point for those WSIs.

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