



Bryher Boatyard Bryher, Isles of Scilly Archaeological Watching Brief



Report No

2011R110

Report Name

Bryher Boatyard, Bryher, Isles of Scilly

Report Author

Charles Johns and
Katharine Sawyer

Event Type

Watching Brief

Client Organisation

Bryher Boatyard

Client Contact

Richard Drew

Monuments (MonUID)

n./a

Fieldwork dates (From) (To)

10/10/2011

10/10/2011

(Created By)

Charles Johns

(Create Date)

17/10/2011

Location (postal address; or general location and parish)

Bryher, Isles of Scilly

(Town - for urban sites)

(Postcode)

TR23 0PR

(Easting) X co-ord

SV 8815

(Northing) Y co-ord

1527

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Front cover

Start of ground works

Fig 1

Location map



Historic Environment, Cornwall Council is a Registered Organisation with the Institute for Archaeologists

Project background

Historic Environment Projects, Cornwall Council (HE Projects) were commissioned by Richard Drew of Bryher Boatyard to undertake a watching brief during ground works for the erection of a timber clad chandlery and storage building. This watching brief was required to satisfy a planning condition

The site is located near the north-east coast of Bryher at OS NGR SV 8815 1527 and is at an approximate height of 5m OD.

The Cornwall and Scilly Historic Environment Record (HER) records numerous archaeological sites in the vicinity of the proposed development site. These include the scheduled prehistoric cairn cemetery and field system on Shipman Head Down and Great Bottom which is less than 300m away.

Aims and objectives

The site specific aims were to:

- Establish the presence/absence of archaeological remains
- Determine the extent, condition, nature, character, date and significance of any archaeological remains encountered
- To establish the nature of the activity on the site
- To identify any artefacts relating to the occupation or use of the site
- To provide further information on the archaeology of the site from any archaeological remains encountered

Working methods

The watching brief was carried out according to the methodology set out in the Written Scheme of Investigation (WSI) for the work (Johns 2011, see Appendix 2), based on the brief for archaeological recording by the Historic Environment Planning Advice Officer, Cornwall Council (Markham 2011, see Appendix 1). The fieldwork was carried out by Katharine Sawyer.

Results

The ground works for the development were carried on 10 October 2011. The development site is an area with a very slight west-east downhill slope, protected to the west and north by Olearia hedges planted about 10 to 12 years ago. The new building is to be 14.66m (north-south) by 5m (east-west) and the turf was stripped across this area initially.

The area had not been used for anything in the recent past until it became part of the Boatyard (P Jenkins, pers comm to K Sawyer). It has been a sandy, grassy area, used as a dump and with pipes and soakaways in it. It was apparent that the area had previously been reduced in height as the hedge base on the western side is at a higher level.

A trench approximately 0.7m wide was dug around the perimeter of the area of the new building to a level base. The trench was up to 0.6m deep on the western side and about 0.35m deep on the eastern side. The following was observed:

1. Brown-grey sandy topsoil, fine and crumbly with few stones, about 0.2m deep
2. More clayey subsoil, again with few stones, varies in colour from orange-brown to dark brown to pale grey
3. Harder, grittier orange-brown ram in the trench base in a few places.

It was clear that, on the eastern side of the new building's position, the ground had been recently disturbed as plastic and broken glass were found at a depth of 0.3m. A plastic pipe was uncovered in the western trench and a land drain and a pipe in the eastern trench.

Several large boulders (up to c0.5m³) were encountered, particularly in the western trench and these were broken and removed. There was nothing to suggest that the boulders were not natural. Apparently large granite slabs had been removed from the

area by blasting in the past (R Drew, pers comm to K Sawyer). Two pieces of modern glazed pottery were recovered from the disturbed topsoil. These were retained for identification purposes only and then discarded.

No significant archaeological features or finds were uncovered during the watching brief.

References

Johns, C, 2011. *Bryher Boatyard, Bryher Isles of Scilly: Written Scheme of Investigation for Archaeological Watching Briefs*, 20/05, HE Projects, Truro.

Markham, P, 2011. *Brief for Archaeological Recording, Bryher, Boatyard, Bryher, Isles of Scilly TR23 OPR*, Cornwall Council

Project archive

The HE project number is **2011083**. The project's digital archive is housed at the offices of Historic Environment, Cornwall Council, Kennall Building, Old County Hall, Station Road, Truro, TR1 3AY. The contents of this archive are as listed below:

1. A project file containing site records and notes, project correspondence and administration (file no 2011083).
2. Digital photographs stored in the directory ..\Images\Sites\Scilly\Bryher\Bryher Boatyard Watching Brief 2011083
3. English Heritage/ADS OASIS online reference: cornwall2-112594
4. This report text is held in digital form as: G:\CAU\HE Projects\Sites \Scilly\S\Sites A-D\Bryher\Bryher Boatyard Watching Brief 2011083

The project's documentary archive is stored at the Isles of Scilly Museum, Church Street, St Mary's, Isles of Scilly TR21 OJT.

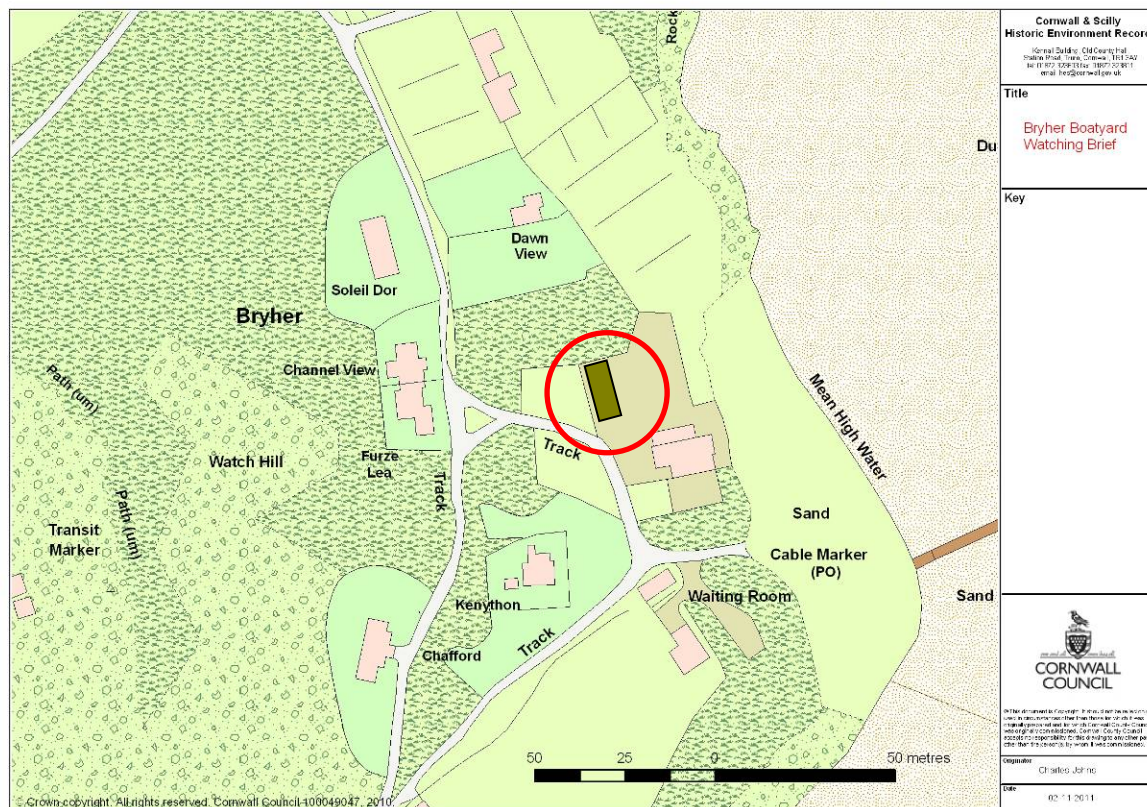


Fig 1 Bryher Boatyard watching brief location map

Appendix 1

BRIEF FOR ARCHAEOLOGICAL RECORDING

Date: 6th September 2011

Address: Bryher Boatyard, Bryher, Isles of Scilly TR23 0PR

Applicant: Mr Richard Drew

Agent: Mr Clive Sibley, Island Architects, Porthcressa, St Mary's, Isles of Scilly TR21 0JQ

Historic Environment Planning Advice Officer: Phil Markham, Cornwall Council, Historic Environment Service, Dolcoath Avenue, Camborne, Cornwall TR14 8SX tel. 07973 813572 email. pmarkham@cornwall.gov.uk

Local Planning Authority Officer: Andrew King, Council of the Isles of Scilly, Planning & Development Department, Old Wesleyan Chapel, Garrison Lane, St Mary's, Isles of Scilly TR21 0JD

This brief is only valid for six months. After this period the Historic Environment Planning Advice Officer (HEPAO) should be contacted. Any written scheme of investigation (WSI) resulting from this brief shall only be considered for the same period. The contractor is strongly advised to visit the site before completing their WSI as there may be implications for accurately costing the project.

Contractors Written Scheme of Investigation (WSI)

No ground works are to be undertaken until the HEPAO and the Local Planning Authority (LPA) have approved the archaeological contractor's WSI.

1 Introduction

This brief has been written by the HEPAO and sets out the minimum requirements for archaeological recording at the above address to discharge condition 5 of planning application P-11-002.

2 Site Location and Description

This coastal site is located on Bryher at OS Grid Reference SV8815 1527 and is at an approximate height of 5m Ordnance Datum.

3 Planning Background

Planning application P-11-002 was submitted on the 10th January 2011 and was for the erection of a timber clad chandlery and storage building. This application has been approved subject to 6 conditions. Condition 5 states:

No works pursuant to the consent are to be commenced or the development beneficially occupied before a relevant part of the whole of a Written Scheme of Investigation is carried out. This Written Scheme of Investigation will be submitted by the applicant and approved by the Local Planning Authority in consultation with Cornwall Council Historic Environment Advice.

Reason: The site comprises an area of known archaeological interest where it is the Local Planning Authority's policy to provide for the examination of archaeological remains.

The applicant, their agents and any subcontractors should note that where there are other conditions requiring satisfaction in advance of the commencement of works on site; it is the responsibility of the applicant to liaise with the planning officer concerned to ensure that the timetabling of these works is managed.

4 Archaeological Background

The Cornwall and Scilly Historic Environment Record (HER) records numerous archaeological sites in the vicinity of the proposed development site. These include the scheduled prehistoric cairn cemetery and field system on Shipman Head Down and Great Bottom which is less than 300m away. The ground works associated with the creation of the foundations for this proposal may therefore disturb buried archaeological remains.

5 Requirement for Work

Ground works associated with the development may disturb buried archaeological remains. It is therefore important that a suitably qualified archaeologist(s) is/are present during these works in order to identify and record any features of interest.

The site specific aims are to:

- Establish the presence/absence of archaeological remains
- Determine the extent, condition, nature, character, date and significance of any archaeological remains encountered
- To establish the nature of the activity on the site
- To identify any artefacts relating to the occupation or use of the site
- To provide further information on the archaeology of the site from any archaeological remains encountered

6 General Methodology

- 6.1 All stages of the investigation shall be supported by a written scheme of investigation (WSI).
- 6.2 The archaeological contractor is expected to follow the code of the Institute for Archaeologists (IfA).
- 6.3 Details including the name, qualifications and experience of the site director and all other personnel (including specialist staff) shall be included within the WSI.
- 6.4 All of the latest Health and Safety guidelines shall be followed on site.
- 6.5 The IfA's Standards and Guidance should be used for additional guidance in the production of the WSI, the content of the report and the general execution of the project.
- 6.6 Terminology will be consistent with the English Heritage Thesaurus.

7 Archaeological Recording Methodology

- 7.1 Prior to the commencement of on site works the archaeological contractor should familiarise themselves with the site by examining the information held by the Cornwall and Scilly Historic Environment record (HER), the Cornwall Records Office at Truro and the Cornwall Centre at Redruth, where appropriate.
- 7.2 An archaeologist shall be present during all ground works associated with the development, unless circumstances dictate a different approach. A toothless ditching bucket can be used for the removal of any overburden until the first archaeological horizon is exposed. This will then be hand cleaned as appropriate.
- 7.3 Any surviving remains which will be disturbed or destroyed by the development shall be archaeologically excavated and recorded.
- 7.4 Details of how all archaeological contexts and artefacts will be excavated, surveyed, recovered and recorded shall be provided. The site will be tied into the national grid.
- 7.5 Details of the site planning policy shall be given in the WSI. The normal preferred policy for the scale of archaeological site plans is 1:20 and sections 1:10, unless circumstances indicate that other scales would be more appropriate.
- 7.6 The photographic record shall consist of prints in both black and white and colour together with the negatives. Digital photography may be used for report illustration. For both general and specific photographs, a photographic scale shall be included. In the case of detailed photographs it may be appropriate to include a north arrow. The photographic record shall be accompanied by a photographic register detailing as a minimum, feature number, location and direction of shot.
- 7.7 If significant archaeological deposits are exposed, all works must cease and a meeting convened with the client and the HEPAO to discuss the most appropriate way forwards.

8 Finds

- 8.1 All finds, where appropriate, will be retained from each archaeological context excavated.
- 8.2 All finds, where appropriate, shall be washed.
- 8.3 All pottery, and other finds, where appropriate, shall be marked with the site code and context number.

- 8.4 The WSI shall include an agreed list of specialist consultants, who may be required to conserve and/or report on finds, and advise or report on other aspects of the work including environmental sampling.
- 8.5 The requirements for conservation and storage shall be agreed with the Royal Cornwall Museum prior to the start of work, and confirmed in writing to the HEPAO.
- 8.6 Finds work should be to accepted professional standards and adhere to the Institute for Archaeologists *Guidelines for Finds Work*.
- 8.7 Environmental sampling should be guided by *Environmental Archaeology* (English Heritage Centre for Archaeological Guidelines. 2001/02).
- 8.8 Further English Heritage guidance that may be helpful includes *Geoarchaeology* (2004) and *Archaeometallurgy* (2001).
- 8.9 The English Heritage Advisor for Archaeological Science will be able to provide archaeological science advice if required (Vanessa Straker 0117 975 0689).

9 Human Remains

- 9.1 Any human remains which are encountered must initially be left in situ and reported to the HEPAO and the appropriate authorities (the Coroner), where appropriate. If removal is necessary this must comply with the relevant Government regulations. If burials are encountered their legal status must be ascertained and recording and/or removal must comply with the legal guidelines.
- 9.2 If human remains are not to be removed their physical security must be ensured, preferably by back filling as soon as possible after recording.
- 9.3 If human remains are to be removed this must be done with due reverence and in accordance to current best practice and legal requirements. The site must be adequately screened from public view. Once excavated human remains must not be exposed to public view.

10 Results

- 10.1 The full report including all specialist assessments of artefact assemblages shall be submitted within a length of time (but not exceeding six months) to be agreed between the applicant and the archaeological contractor, Cornwall Council Historic Environment Service and the appropriate Museum. A further digital copy shall be supplied on CD-ROM preferably in 'Adobe Acrobat' PDF format.
- 10.2 The archaeological contractor will undertake the English Heritage/ADS online access to the index of archaeological investigations (OASIS).
- 10.3 This report will be held by the Cornwall and Scilly Historic Environment Record (HER) and made available for public consultation.
- 10.4 The report must contain:
- A concise non-technical summary of the project results.
 - The aims and methods adopted in the course of the investigation.
 - A discussion of the archaeological findings in terms of both the site specific aims and the desk based research.
 - A location map, a drawing showing those areas examined as part of the archaeological recording, and copies of any archaeological plans and sections. All plans shall be tied to the national grid.
 - All specialist reports and assessments.
 - A summary of the archive contents and date of deposition.
 - A context register with brief descriptions shall be included as an appendix.
 - A copy of the brief and the approved WSI will be included as an appendix.
- 10.5 A contingency shall be made within the costs for full publication in an appropriate journal. The HEPAO will notify the contractor of such a need within four weeks of receipt of the report.

11 Archive Deposition

- 11.1 An ordered and integrated site archive will be prepared in accordance with: *Management of Research Projects in the Historic Environment (MoRPHE) English Heritage 2006* upon completion of the project. The requirements for archive storage shall be agreed with the appropriate Museum.

- 11.2 If the finds are to remain with the landowner a full copy of the documentary archive shall be housed with the Cornwall County Record Office or appropriate Museum.
- 11.3 The archive including a copy of the written report shall be deposited with the appropriate Museum within two months of the completion of the full report and confirmed in writing with the HEPAO.
- 11.4 Where there is only a documentary archive this will be deposited with the Cornwall Record Office or the appropriate Museum.
- 11.5 A copy of the report will be supplied to the National Monuments Record (NMR) in Swindon.
- 11.6 A summary of the contents of the archive shall be supplied to the HEPAO.
- 11.7 Only on completion of 11.1 to 11.5 (inclusive) will there be a recommendation for the discharge of any archaeological recording condition.

12 Monitoring

- 12.1 The HEPAO will monitor the work and should be kept regularly informed of progress.
- 12.2 Notification of the start of work shall be given preferably in writing to the HEPAO at least one week in advance of its commencement.
- 12.3 Any variations to the WSI shall be agreed with the HEPAO, preferably in writing, prior to them being carried out.

Appendix 2

Historic Environment Projects, Cornwall Council



Bryher Boatyard, Bryher, Isles of Scilly: Written Scheme of Investigation for archaeological watching brief

Client: Bryher Boatyard
Client contact: Richard Drew
Client tel: 01720 422702
Client email: bryherboatyard@hotmail.com

Project background

Planning application P-11-002 was submitted on 10 January 2011 and was for the erection of a timber clad chandlery and storage building. This application has been approved subject to 6 conditions. Condition 5 states:

No works pursuant to the consent are to be commenced or the development beneficially occupied before a relevant part of the whole of a Written Scheme of Investigation is carried out. This Written Scheme of Investigation will be submitted by the applicant and approved by the Local Planning Authority in consultation with Cornwall Council Historic Environment Advice.

Reason: The site comprises an area of known archaeological interest where it is the Local Planning Authority's policy to provide for the examination of archaeological remains.

This Written Scheme of Investigation (WSI) for an archaeological watching brief during groundworks for the development has been prepared for Mr Richard Drew of Bryher Boatyard. It is based upon a Brief written by the Historic Environment Planning Advice Officer, Cornwall Council (HEPAO) which sets out the minimum requirements for archaeological recording to discharge Condition 5 of the planning consent (Markham 2011).

Site history

The site is located near the north-east coast of Bryher at OS NGR SV 8815 1527 and is at an approximate height of 5m OD.

The Cornwall and Scilly Historic Environment Record (HER) records numerous archaeological sites in the vicinity of the proposed development site. These include the scheduled prehistoric cairn cemetery and field system on Shipman Head Down and Great Bottom which is less than 300m away. The ground works associated with the creation of the foundations for this proposal may therefore disturb buried archaeological remains.

Aims and objectives

Ground works associated with the development may disturb buried archaeological remains. Therefore a suitably qualified archaeologist will be present during these works in order to identify and record any features of interest.

The site specific aims are to:

- Establish the presence/absence of archaeological remains
- Determine the extent, condition, nature, character, date and significance of any archaeological remains encountered
- To establish the nature of the activity on the site
- To identify any artefacts relating to the occupation or use of the site

- To provide further information on the archaeology of the site from any archaeological remains encountered,

Working methods

All recording work will be undertaken according to the Institute for Archaeologists *Standards and Guidance for Archaeological Investigation and Recording*. Staff will follow the *IfA Code of Conduct* and *Code of Approved Practice for the Regulation of Contractual Arrangements in Archaeology*. The Institute for Archaeologists is the professional body for archaeologists working in the UK.

Desk-based assessment

Prior to the commencement of on site works the project archaeologist will familiarise themselves with the site by examining the information held by the Cornwall and Scilly Historic Environment record (HER) and in published sources.

Fieldwork: survey

An archaeologist will be present during all ground works associated with the development, unless circumstances dictate a different approach. A toothless ditching bucket will be used for the removal of any overburden (ostensibly topsoil and disturbed modern deposits). The first revealed substratum will then be hand cleaned to test for the presence of archaeological features, deposits and finds with resulting evidence being recorded as appropriate.

Any surviving remains which will be disturbed or destroyed by the development will be archaeologically excavated and recorded.

If significant archaeological deposits are exposed, all works will cease and a meeting convened with the client and the HEA to discuss the most appropriate way forwards.

Recording

- A location plan will be made, plotting the areas of ground works onto the Ordnance Survey Mastermap at 1:200.
- The heights of all features identified will be tied into the Ordnance Datum if appropriate.
- The location of features recorded during the watching brief will be plotted onto a drafting film overlay to the prepared location plan.
- All finds from significant stratified contexts will be accurately located on the location plan at an appropriate scale.
- All archaeological contexts will be described to a standard format linked to a continuous numbering sequence. All contexts recorded will be recorded via the medium of HES pro forma context recording sheets.
- Registers of drawings, photographs, finds and contexts, samples will be maintained during the fieldwork.
- The excavated spoil will be carefully inspected for finds.

Site planning policy

- Site drawings (plans, sections, locations of finds) will be made by pencil (4H) on drafting film; all plans will be linked to the prepared location map and to the national grid; all drawings will include standard information: site details, personnel, date, scale and north-point.
- Site plans will be drawn at 1:20 and sections at 1:10, unless circumstances indicate that other scales would be more appropriate.
- Site drawings (plans and sections) will be digitised and converted into AutoCAD drawings.

Photographic record

- The photographic record will consist of prints in both black and white and colour together with the negatives. Digital photography will be used for report illustration.

- For both general and specific photographs, a photographic scale will be included.
- In the case of detailed photographs a north arrow will be included if appropriate.
- The photographic record will be accompanied by a photographic register detailing as a minimum, feature number, location and direction of shot.

Finds

- All finds will be retained from each archaeological context excavated.
- All retained finds, where appropriate, will be washed.
- All pottery and other finds where appropriate, will be marked with the site code and context number.
- This WSI includes an agreed list of specialist consultants, who might be required to conserve and/or report on finds, and advise or report on other aspects of the project including environmental sampling.
- The requirements for conservation and storage will be agreed with the appropriate museum prior to the start of work, and confirmed in writing to the HEA.
- Finds work will be to accepted professional standards and adhere to the Institute of Field Archaeologists' *Guidelines* (IFA 2001b).

Sampling

- The English Heritage Advisor for Archaeological Science will be consulted for advice if required (Vanessa Straker 0117 975 0689).
- Environmental sampling will be guided by *Environmental Archaeology* (English Heritage 2004).
- Other English Heritage guidance will be consulted as appropriate including *Geoarchaeology* (2004) and *Archaeometallurgy* (2001).
- The archaeologist undertaking the watching brief will assess the potential for environmental sampling.
- If suitable deposits are identified the following types of sample will be taken as appropriate:
 - Bulk sampling
 - Monolith sampling
 - Macro & Micro Flora Analysis (including pollen analysis)
 - Macro & Micro Fauna Analysis
 - Radiocarbon dating for artefact analysis

Human remains

Any human remains which are encountered will initially be left *in situ* and reported to the HEPAO and the appropriate authorities. If removal is necessary this will comply with the relevant Government regulations. If burials are encountered their legal status will be ascertained and recording and/or removal will comply with the legal guidelines.

If human remains are not to be removed their physical security will be ensured, if possible by back filling as soon as possible after recording.

If human remains are to be removed this will be done with due reverence and in accordance to current best practice and legal requirements. The site will be adequately screened from public view. Once excavated human remains will not be exposed to public view.

Archiving

During this phase the results of the fieldwork will be collated for archiving. This will involve the following tasks.

- Indexing of site drawings and photographs.

- Processing and analysis of artefacts and environmental samples, if appropriate.

Note: The requirements for Archiving and Reporting will be reviewed in the light of the fieldwork results

Report production

A report will be produced which will describe the results of the desk-based study and the nature of the fieldwork undertaken, the circumstance and conditions under which it occurred and the results that were obtained. Production of the report will involve:

- Producing a descriptive text.
- Producing maps, scaled plans and section drawings.
- Selecting photographs.
- Report design.
- Report editing.
- Dissemination of the finished report.

The report will have the following contents:

- Summary
- Introduction - Background, aims, methods
- Results - A concise non-technical summary of the results
- Discussion - A discussion of archaeological findings in terms of both the site specific aims and the desk based research
- Specialists' reports - Specialists' reports or assessments as appropriate
- Archive - A summary of archive contents and date of deposition
- Appendices - Copies of the Brief and WSI, context register
- Illustrations - Location map
- Site location plan
- A drawing showing those areas examined as part of the archaeological watching
- Copies of relevant historical cartography & plans
- Plan and section drawings resulting from the archaeological recording.
- Finds drawings (if appropriate)
- Illustrative photographs
- Note: All plans will be tied to the national grid.

Contingency for analysis and publication

A contingency is made within the accompanying estimate for assessment for specialist analysis and full publication in an appropriate journal. The HEPAO will notify the contractor of such a need within four weeks of receipt of the report.

Report dissemination

The full report including all specialist assessments of artefact assemblages will be submitted within a length of time (but not exceeding six months) to be agreed between the applicant and HE, with copies supplied to the client (two), Cornwall and Scilly Historic Environment Record, the Isles of Scilly Museum and the Courtenay Library of the Royal Institution of Cornwall, River Street, Truro and national archive centres. A further digital copy shall be supplied on CD-ROM in 'Adobe Acrobat' PDF format. A draft will initially be submitted to the HEPAO for comment.

The report will be held by the Cornwall and Scilly Historic Environment Record and made available for public consultation. Additional copies will be submitted to the National

Monuments Record *via* OASIS and to the Planning Department of the Council of the Isles of Scilly.

Archive deposition

- An ordered and integrated site archive will be prepared in accordance with *the Management of Research Projects in the Historic Environment (MoRPHE)* (English Heritage 2006) upon completion of the project. The requirements for final deposition of the project archive will be agreed by HEPAO and HE Projects.
- The archive including a copy of the written report will be deposited at the Isles of Scilly Museum within two months of the completion of the full report and confirmed in writing with the HEPAO.
- A summary of the contents of the archive shall be supplied to the HEPAO.

Monitoring and Signing Off Condition

Monitoring of the project will be carried out by the HEPAO. Where the HEPAO is satisfied with the archive report and the deposition of the archive written discharge of the planning condition will be expected from the Council of the Isles of Scilly.

Notification of the start of work will be given in writing to the HEPAO as far in advance of its commencement as possible. HEPAO will monitor the work and will be kept regularly informed of the progress.

Any variations to the WSI in shall be agreed with the HEPAO in writing prior to them being carried out.

Monitoring points during the study will include:

- Approval of the WSI
- Completion of fieldwork. When this has been approved by the HEPAO, then it should be possible for the client to commence building works
- Completion of archive report
- Deposition of the archive

Timetable

The study is anticipated to be commenced during late September or October 2011.

The archive report will be completed within 3 months of the end of the fieldwork. The deposition of the archive will be completed within 3 months of the completion of the archive report.

Project team

The project will be managed by Senior Archaeologist **Charlie Johns (BA, MIFA)**. As a Senior Archaeologist with HE Projects (1991- present) Charlie has special responsibility for projects in the Isles of Scilly where he has worked on numerous projects: notably directing the excavation of the Bryher Iron Age sword and mirror burial in 1999 (Johns 2002-3); updating the popular archaeological field guide 'Scilly's Archaeological Heritage' (Ratcliffe and Johns 2003); managing the Tresco Playing Field watching brief for the Tresco Estate (Taylor and Johns forthcoming); compiling the Isles of Scilly Rapid Coastal Zone Assessment Survey for English Heritage (Johns *et al* 2004) and managing archaeological recording during construction of the off-island quays for the Duchy of Cornwall (Johns and Sawyer 2008) and the St Agnes Affordable Housing site for the Cornwall Rural Housing Association (Taylor and Johns 2010 and 2011).

Current projects include the management of Lyonesse Project, a two-year study of the evolution of the coastal and marine environment of Scilly and the preparation of a Research Framework for the Historic Environment of Scilly (both for English Heritage). Since 2005 he has co-directed the 'Islands in a Common Sea' research project in Scilly with Dr Jacqui Mulville of Cardiff University (Johns and Mulville forthcoming; Johns *et al* 2006), and is currently an Honorary Research Fellow in Cardiff University's School of History and Archaeology.

Fieldwork will be undertaken by **Katharine Sawyer (MA)**.

Katharine is a freelance archaeologist based in St Mary's. Since 2000 she has undertaken archaeological watching briefs in Scilly and Cornwall, either independently or

in association with HES including: Hell Bay Hotel, Bryher (Sawyer *et al* 2003); Tresco Playing Field (Taylor and Johns forthcoming), Lower Benham Battery St Mary's (Johns and Sawyer 2005) and the off-island quays refurbishment (Johns and Sawyer 2008). She is also a tour guide and lecturer, leading guided walks, boat trips and short break holidays, and teaching adult education classes. As a Trustee of the Isles of Scilly she undertakes identification of artefacts, interpretation and arrangement of displays. Since 2006 she has been studying part-time for a PhD at the University of Exeter on the Setting and Function of the Neolithic and Bronze Age Chambered Cairns and Cists of the Isles of Scilly. For the purpose of this project Katharine will be sub-contracted by HE Projects.

In the event of the contingency for additional fieldwork being required Katharine will be assisted by suitably qualified archaeologists from the HE Projects team, whose details will be provided to the HEPAO if the occasion arises.

Initial finds processing, identification and cataloguing will be carried out by **Carl Thorpe BSc**, HES' finds archaeologist who has carried out all similar work for Scillonian projects in the last two decades including the Isles of Scilly Electrification Project (Ratcliffe 1991), the Bryher cist burial, Tresco Playing Field and the off-island quays refurbishment. He is currently reassessing the pottery assemblage from the 1971 excavations at East Porth, Samson with a view to final publication in *Cornish Archaeology* (Neal and Johns forthcoming). Carl also has extensive experience as field archaeologist having undertaken many watching briefs and will provide Katharine with assistance in fieldwork and taking environmental samples if necessary.

Specialists

John Allan MPhil – Medieval/post-medieval pottery specialist: John works for the Exeter Archaeological Field Unit. He is the leading authority on medieval and post-medieval pottery in south- west England and author of many publications. He will carry out the pottery assessment and analysis in the event of medieval or post-medieval pottery being recovered

Henrietta Quinnell BA, MIFA, FSA – Prehistoric, Roman, post-Roman pottery: Henrietta is a freelance pottery specialist and the leading authority on prehistoric pottery in the south-west. She will carry out the pottery assessment and analysis in the event of prehistoric pottery being recovered.

Julie Jones BA – Archaeobotanist: An experienced freelance archaeobotanical specialist based in Bristol, Julie has carried out palaeoenvironmental assessments and analyses for numerous HES projects.

Dana Challinor MA, MSc – Freelance Charcoal Specialist: Dana's main area of expertise is charcoal analysis and wood species identification, but she also has experience with charred plant remains. For her Masters degree she specialised in Archaeobotany and received a distinction for her dissertation on charcoal in Bronze Age cremation burials. She has produced numerous assessment and evaluation reports, as well as reports for publication in journal and monograph formats and was formerly Head of the Environmental Department at Oxford Archaeology. She will undertake assessment and analysis of any suitable charcoal samples, including identification of samples suitable for radiocarbon dating.

Ralph Fyfe, PhD, Palynologist: Ralph is lecturer in environmental change in the School of Geography at the University of Plymouth. He has carried out numerous archaeological evaluations for a variety of organisations, including English Heritage, County Councils, National Parks and Archaeological Consultancies and will undertake assessment and analysis of pollen samples if required.

Laura Ratcliffe-Conservationist, BSc, The Royal Cornwall Museum, Truro: Laura graduated In Archeological Conservation from Cardiff University in 2001. Since then she has gained a wide variety of experience both on excavations and in a lab working on a wide variety of archaeological and historical material. She is currently based at the Royal Cornwall Museum where she is the museum's Collections Manager. Laura will carry out the assessment and conservation of pottery and metalwork on a free lance basis if required.

Radiocarbon Dating Laboratory, University of Waikato, New Zealand: Samples for radiocarbon dating will be sent the University of Waikato.

Historic Environment Projects

Historic Environment Projects is the contracting arm of Historic Environment, Cornwall Council (HE). HE employs some 20 project staff with a broad range of expertise, undertaking around 100 projects each year.

HE is committed to conserving and enhancing the distinctiveness of the historic environment and heritage of Cornwall and the Isles of Scilly by providing clients with a number of services including:

- Conservation works to sites and monuments
- Conservation surveys and management plans
- Historic landscape characterisation
- Town surveys for conservation and regeneration
- Historic building surveys and analysis
- Maritime and coastal zone assessments
- Air photo mapping
- Excavations and watching briefs
- Assessments and evaluations
- Post-excavation analysis and publication
- Outreach: exhibitions, publication, presentations

Standards



HE is a Registered Organisation with the Institute for Archaeologists and follows their Standards and Code of Conduct.

As part of Cornwall Council, the HES has certification in BS9001 (Quality Management), BS14001 (Environmental Management), OHSAS18001 (Health, Safety and Welfare), Investors in People and Charter Mark.

Terms and conditions

Contract

HE Projects is part of Historic Environment, Cornwall Council. If accepted, the contract for this work will be between the client and Cornwall Council.

The views and recommendations expressed will be those of the HE projects team and will be presented in good faith on the basis of professional judgement and on information currently available.

Project staff

The project will be managed by Charlie Johns who will:

- Discuss and agree the detailed objectives and programme of each stage of the project with the client and the field officers, including arrangements for health and safety.
- Monitor progress and results for each stage.
- Edit the project report.
- Liaise with the client regarding the budget and related issues.

Report distribution

Paper copies of the report will be distributed to the client, to local archives and national archaeological record centres.

A digital copy of the report, illustrations and any other files will be held in the Cornwall HER and also supplied to the client on CD or other suitable media.

Copyright

Copyright of all material gathered as a result of the project will be reserved to the Historic Environment, Cornwall Council. Existing copyrights of external sources will be acknowledged where required.

Use of the material will be granted to the client.

Freedom of Information Act

As Cornwall Council is a public authority it is subject to the terms of the Freedom of Information Act 2000, which came into effect from 1st January 2005.

HE will ensure that all information arising from the project shall be held in strict confidence to the extent permitted under the Act. However, the Act permits information to be released under a public right of access (a "Request"). If such a Request is received HE may need to disclose any information it holds, unless it is excluded from disclosure under the Act.

Health and safety statement

HE follows the Council's *Statement of Safety Policy*. For more specific policy and guidelines HE uses the manual *Health and Safety in Field Archaeology* (2002) endorsed by the Standing Conference of Archaeological Unit Managers and also the Council for British Archaeology's Handbook No. 6 *Safety in Archaeological Field Work* (1989).

Prior to carrying out on-site work HE will carry out a Risk Assessment.

Insurance

As part of Cornwall Council, HE is covered by Public and Employers Liability Insurance.

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