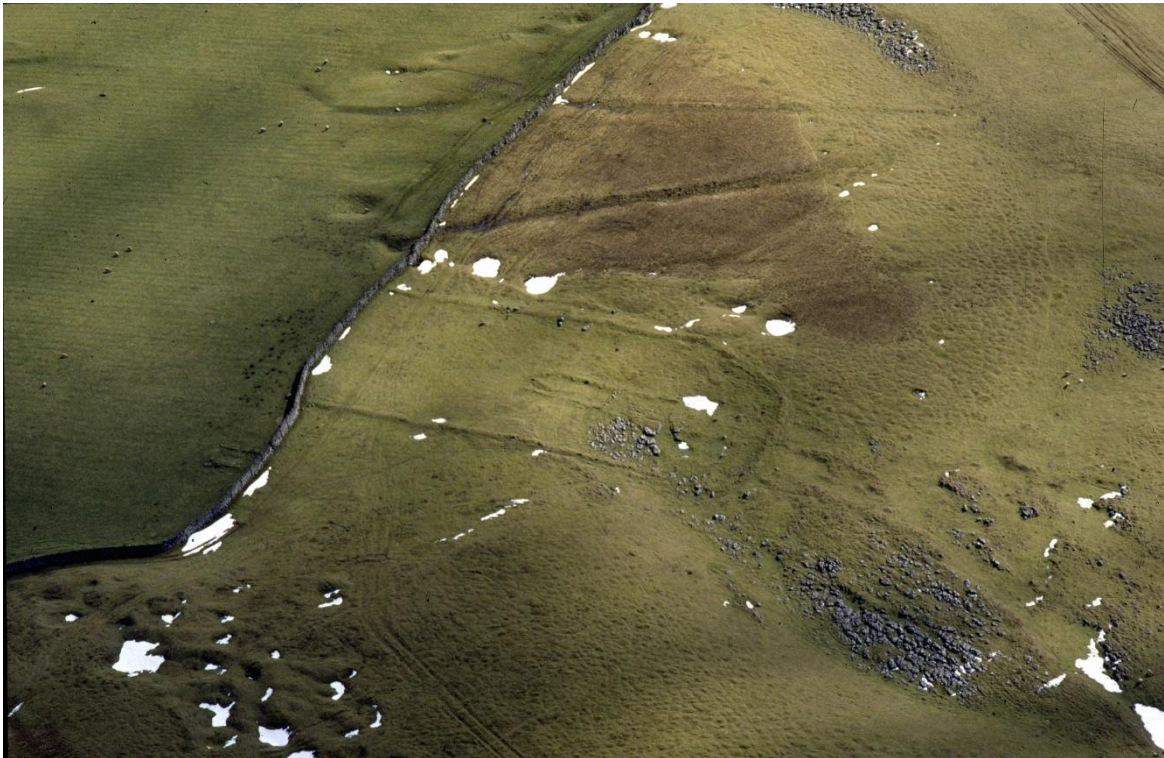


HEFERs AND SHINE DATA

OUTCOMES FOR THE HISTORIC ENVIRONMENT



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Cover photograph: Earthworks of medieval farmstead (longhouse) and enclosures on Heughscar Hill, Askham Fell (SHINE record LD274), heritage assets due to be managed under a Countryside Stewardship agreement from 2020. Used courtesy of and © Lake District National Park authority

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Executive Summary

The ‘HEFERs and SHINE data – Outcomes for the Historic Environment’ project assessed the effectiveness, impact and value of SHINE data and HEFERs on Countryside Stewardship agreements in four different ways: analysis of Natural England and SHINE datasets, 14 HEFERs, 31 interviews with end-users, and seven case studies. These highlighted how good quality historic environment advice has resulted in positive tangible impacts, while identifying important issues that need further consideration.

The project key findings include:

- 37,995 HEFERs were produced between 2016 and 2019, of which ALGAO members charged for 12,471 (33%).*
- In March 2020 there were 20,010 active Countryside Stewardship agreements. Of these, 2764 included a cumulative total of 5987 historic environment options.*
- By March 2020 £30,587.591 had been invested in Countryside Stewardship historic environment options. This equates to £12.68 of investment for every £1 spent on HEFERs between 2016 and 2019.*
- 81% of interviewees believed HEFERs influence how Countryside Stewardship applications and agreements are put together.*
- 39% of interviewees stated HEFERs are easy to use.*
- 48% of interviewees believe HEFER maps are clear.*
- Heritage assets are being protected under Countryside Stewardship agreements: archaeological earthworks are being grazed, below ground remains are being protected from cultivation, historic buildings are being repaired and restored and a wide range of non-historic environment options are being utilised.*

As a first step towards exploring the issues identified, the project made 17 recommendations. The first three raise the possibility of increasing the use of SHINE and HEFERs, the next 10 suggest how SHINE records and HEFERs could be improved, while the final four relate to the development of future agri-environment schemes:

- R1. ALGAO, Historic England, the RPA, DEFRA, the Forestry Commission and other partners could explore the possibility of making the SHINE dataset more widely available.*
- R2. ALGAO, Historic England and the Forestry Commission could explore the possibility of extending the use of SHINE data and HEFERs to Woodland Management Plans and Woodland Creation applications.*
- R3. DEFRA, the RPA, the Forestry Commission, Historic England and ALGAO could explore the possibility of extending the use of historic environment options to land parcels registered as woodland.*
- R4. ALGAO, Historic England and partners should revisit the SHINE polygon standards.*
- R5. ALGAO, Historic England and partners could offer refresher training to ALGAO members and Historic England staff.*
- R6. ALGAO could encourage its members to include links to directly relevant online HER records in each and every SHINE record.*
- R7. ALGAO and Historic England could consider providing ALGAO members with guidance on how to assign priority scores to SHINE records.*
- R8. ALGAO and Historic England could investigate ways to bring the ALGAO members who have opted out of SHINE and HEFER process into the fold.*
- R9. ALGAO, Historic England and partners could explore the options for simplifying HEFERs, to improve the end-user experience and increase their impact on historic environment delivery.*
- R10. ALGAO, Historic England and partners could explore ways of providing more directly relevant information in HEFERs.*
- R11. ALGAO, Historic England and partners could explore ways of providing more information on the HEFER maps.*

- R12. ALGEO, Historic England, the RPA and partners could explore ways in which HEFERs can include advice that would reduce the need for consultation on fencing proposals.
- R13. ALGEO, Historic England and partners should explore the possibility of providing end-users with training on how to use SHINE records and HEFERs
- R14. ALGEO, Historic England, DEFRA, the RPA and partners should consider an overhaul of SHINE.
- R15. DEFRA, the RPA and partners could consider mapping agri-environment options as polygons.
- R16. DEFRA, the RPA and partners could explore the possibilities for increasing historic environment options payments.
- R17. ALGEO, Historic England and partners could consider different ways of describing historic environment importance and priorities.

1. Introduction

Members of the Association of Local Government Archaeological Officers (ALGEO) England and Historic England staff have been providing specialist historic environment advice to agri-environment scheme applicants and government agencies working on agri-environment schemes since their introduction in the late 1980s. Since the introduction of the current Countryside Stewardship scheme (CS) in 2015, this advice has been provided through the SHINE (Selected Heritage Inventory for Natural England; www.myshinedata.org.uk) website which packages the historic environment data and advice into HEFER (Historic Environment Farm Environment Record) reports. Seventy-eight English ALGEO members currently receive HEFER consultation requests.

SHINE is a single, nationally consistent dataset of non-designated historic environment features that would benefit from management through agri-environment scheme delivery in England. It was originally developed for Environmental Stewardship (ES) and between 2009-13 was enhanced through DEFRA and RDPE Technical Assistance funding (RPA *et al.* 2020). By 29 January 2020 the SHINE dataset contained 83,371 records.

In the final year of Higher Level Stewardship (HLS; 2013-14) an online consultation portal was developed as a means of helping ALGEO members to more quickly and simply deliver consultation responses in support of ES and to bring Historic England advice into the pre-application stage. Feedback from the trial allowed the further development of the online consultation portal for CS, which became the SHINE website and, since 2015, has been used to consult ALGEO members and Historic England on all Higher Tier and some Mid Tier multi-annual CS applications. The circumstances in which HEFERs are required for Mid Tier applications have changed over time. In 2015 only selected Mid Tier applications needed a HEFER, whereas between 2016 and 2018 all multi-annual Mid Tier applications required one. In 2019 HEFERs were needed for all Mid Tier multi-annual applications but ALGEO members were only asked for their direct input where the holding applying contained at least one scheduled monument, registered park or garden, or registered battlefield. Those without one or more of these designated heritage assets received an auto-generated HEFER based upon data already held in the SHINE website. The 2019 arrangement continues in 2020 (RPA *et al.* 2020).

The SHINE website uses SHINE and designated datasets to identify the location and extent of historic environment features within holdings that make full Mid and Higher

Tier applications. In addition, and as a 'requirement' for Higher Tier applications, it allows Historic England and ALGAO members to provide management advice for these features, subdividing them into management sub-components (Historic Management Advice Areas; HMAAs) if appropriate, and to add any necessary overarching advice. Once any amendments, additions or advice have been completed, the consultee flags their response as 'complete' and its ready for download by the applicant, Rural Payments Agency (RPA) and lead Natural England (NE) advisor (where applicable) (RPA *et al.* 2020).

Previous analysis of existing datasets indicated thousands of HEFERS have been produced since 2015, resulting in many designated and non-designated historic environment features receiving positive management supported by CS funding. Informal feedback received suggested HEFERS and the specialist historic environment advice they contain are important to applicants, their agents and government agency staff.

Against this positive background, DEFRA, the RPA and NE have asked whether ALGAO members' efforts on HEFERS have led to more historic environment features receiving positive management in CS agreements than would have done without historic environment consultation. Alongside this they have raised concerns about the annual cost of HEFERS, the loss of the technical assistance budget (which covered the cost of HEFERS in the early years of CS until FY 2018/19) and the number of HEFERS that appear not to have been used in CS applications and/or agreements. With the new post-European Union Environmental Land Management Scheme (ELM) being developed and the government's focus on public goods in environment policy, it is important that all parties fully understand the value of SHINE data, HEFERS, specialist historic environment advice and the beneficial outcomes these can secure for land managers, government agencies and England's environment.

In 2019 ALGAO's Countryside Committee and Historic England decided to gather evidence to show the effectiveness and value of specialist historic environment advice in agri-environment applications and schemes. David Robertson (t/a Archaeology East Anglia) produced a project outline (Robertson 2019) and was then commissioned to undertake this research project, including analysis of existing datasets and feedback from users of SHINE data and HEFERS. The project ran from 13 January 2020 until 7 April 2020.

2. Project Aims

The 'HEFERS and SHINE data: outcomes for the historic environment' project aimed to assess the effectiveness, impact and value of SHINE data, HEFERS and specialist historic environment advice, with a specific focus on non-designated heritage assets. It tested the assumption that good quality historic environment advice results in tangible positive outcomes for the historic environment, by analysing CS data and the views of HEFER users.

3. Methodology

To achieve the projects' aims four parallel approaches were employed:

1. analysis of data available via the NE open data (<https://naturalengland-defra.opendata.arcgis.com/>) and SHINE websites.
2. analysis of HEFERs and CS agreements.
3. analysis of interviews with CS agreement holders, agents working on CS applications and NE and Forestry Commission (Forest Services) advisers.
4. analysis of case studies.

The project outline explained the main output of the project would be a report that would include the following:

- Analysis of existing CS data.
- Analysis of at least 10 HEFERs and CS agreements.
- Analysis of at least 15 interviews.
- Analysis of at least three case studies.
- Analysis of the outcomes and value of HEFERs for the historic environment.
- Analysis of the hypothesis 'good quality historic environment advice results in tangible positive outcomes for the historic environment'.
- Recommendations for improvements to SHINE data and HEFERs.

3.1. Data available via the NE open data and SHINE websites - CS, SHINE and HEFER data

Data held by Historic England, the NE open data geoportal and the SHINE website was interrogated to assess the impact and outcomes of HEFERs throughout the lifetime of CS and also on a year-by-year basis. Both approaches are important, given the circumstances in which RPA/NE requested HEFERs on behalf of CS applicants have changed several times since the introduction of the scheme in 2015.

The datasets used were:

- HEFER invoicing spreadsheets from 2016, 2017, 2018 and 2019 (held by Historic England). Each spreadsheet lists the HEFERs produced in the relevant year, who they were produced by and the fee payable to ALGAO members (if applicable). The four annual spreadsheets were combined into one for analysis. Unfortunately, data on HEFERs produced in 2015 was not available for inclusion in the project.
- Areas covered by local authority archaeological services/Historic Environment Records/ALGAO members (held by Historic England).
- Areas covered by National Park Authorities (held by Historic England).
- Countryside Stewardship Scheme 2016 Management Areas (England), dated 30 October 2019 (Natural England open data geoportal).
- Countryside Stewardship Scheme 2016 Management Areas (England), dated 15 March 2020 (Natural England open data geoportal).
- Countryside Stewardship Scheme 2016 Management Options, dated 20 January 2020 (Natural England open data geoportal).
- Countryside Stewardship Scheme 2016 Management Options, dated 9 March 2020 (Natural England open data geoportal).
- National SHINE dataset, extracted 29 January 2020 (SHINE website).

The CS datasets were used under the Open Government Licence (National Archives not dated).

Data interrogation focused on GIS and spreadsheet queries. The nature of these queries was agreed in a meeting between Sarah Poppy (Historic England) and David Robertson held in Cambridge on 29 January. The first queries were run on this date, with updated queries run by Sarah Poppy in mid March and David Robertson on 5 February and 26-30 March.

Queries were run to provide statistics/figures on a range of measures set in the project outline:

1. The number and cost of HEFERs requested.
2. The number of HEFERs that included non-designated heritage assets (SHINE records).
3. The number of agreements set up.
4. The number of agreements that include historic environment options (including PA1 implementation plans and PA2 feasibility studies).
5. The number of agreements that include specific historic environment options (HS1 Maintenance of waterproof traditional farm buildings and HS2 Take historic and archaeological features out of cultivation, for example).
6. The number of non-designated heritage assets (SHINE records) that are managed under historic environment options.
7. The number of non-designated heritage assets (SHINE records) that are managed under non-historic environment options.
8. The number of non-designated heritage assets (SHINE records) that are in CS holdings and were included in HEFERs but are not managed under CS options.
9. The monetary investment in the historic environment resulting from historic environment options.

3.2. HEFERs and CS agreements

Fourteen HEFERs were compared with NE's CS datasets to assess the effectiveness of the historic environment advice provided by ALGAO members. The intention had been to study at least ten HEFERs, including at least one HEFER from each ALGAO England region and at least one from each CS application year.

The criteria for including a HEFER in the study were that it must contain at least one SHINE record and that it must be possible to look for the relevant holding in the CS datasets. Finding a specific holding covered by a specific HEFER was far from easy: to retrieve a HEFERs from the SHINE website you need to know the holding's SBI number, data that is not included in CS datasets. Instead CS datasets are based on agreement reference numbers. A second complicating factor was the fact HEFERs are valid for three years and, as a result, were only available on the SHINE website from 2018 and 2019. Very few agreements with 1 January 2020 start dates are included in the CS datasets, so HEFERs produced in 2019 were excluded from the study.

As it was not possible to find a publicly accessible dataset that contains both SBI and agreement reference numbers and it is only possible to retrieve 2018 and 2019

HEFERs through the SHINE website, two different approaches had to be employed to identify HEFERs for inclusion in the study. To make sure HEFERs produced between 2015 to 2017 could be included, two ALGAO members known to have downloaded all their HEFERs were asked to provide copies of selected examples. Alongside this the 'Countryside Stewardship Scheme 2016 Management Areas (England)' and SHINE datasets were interrogated to identify holdings with at least one SHINE record and 2018 HEFERs. Once a short list of 15 HEFERs had been produced, the relevant ALGAO members were sent agreement reference numbers and holding names and asked if they could provide relevant SBI numbers.

In total eight ALGAO members were asked for help; these were geographically spread across all ALGAO's English regions excluding London. All responded, allowing the project to assess 14 HEFERs produced in four different years across eight ALGAO regions. The 14 HEFERs selected include advice provided by 11 ALGAO members and Historic England.

The 'HEFER Consultation Data' Excel spreadsheet part of each of the 14 HEFERs were combined into a single spreadsheet. The information held in this spreadsheet was then cross-checked against data held in relevant datasets and documents to identify whether the selected holdings were entered into a CS agreement, which areas were covered by each HEFER and any resulting agreement, if and where options had applied to SHINE records, if the advice given in the HEFERs had been followed, if eligible options had been applied, and if requirements highlighted as essential in HEFERs had been met.

For the 14 HEFERs information was sought on four specific measures:

10. The number of heritage asset parcel entries in CS agreements.
11. The number of heritage assets parcel entries covered by CS options.
12. CS options applied to heritage asset parcel entries.
13. How often HEFER advice was followed.

To allow analysis one of a set of fixed values was assigned to each of the measures. In most cases these values were Yes, No, Uncertain or N/A. Uncertain was used where it was not possible to be sure a parcel named in a HEFER was covered by an agreement or an option had been applied to a heritage asset (due to the point nature of option data). Full option names were used where relevant.

The datasets and documents used were:

- HEFER Area Maps.
- HEFER Consultation Data (.pdf and Excel).
- HEFER Feature Management Maps.
- HEFER Feature Maps.
- National SHINE dataset, extracted 29 January 2020 (SHINE website).
- 'Countryside Stewardship Scheme 2016 Management Areas (England)', dated 15 March 2020 (NE open data geoportal).
- 'Countryside Stewardship Scheme 2016 Management Options', dated 9 March 2020 (NE open data geoportal).
- CS options (gov.uk not dated).

Cross-checking was heavily reliant on the presence of parcel reference numbers in the HEFER documents and CS management options dataset.

3.3. Interviews with CS agreement holders, agents working on CS applications and NE and Forestry Commission (Forest Services) advisers

Between 3 February and 24 March 2020 CS agreement holders, CS agents, NE advisers and Forestry Commission woodland officers took part in telephone interviews. The purpose of the interviews was to secure end-user views on HEFERs and SHINE data. The aim was to speak to as many candidates as possible within the time available, with an expected minimum sample of five from each group. NE and Forestry Commission staff were considered one group, giving a target of 15 interviews.

On 14 January 2020 ALGAO members were asked by email to nominate candidates to take part in telephone interviews about HEFERs and SHINE data. By 3 February 2020 only three ALGAO members had responded, so a further email request was sent that day. It was followed up by requests for help at the ALGAO Countryside meeting on 5 February 2020. In total three ALGAO members were able to suggest eight possible interviewees. All eight were contacted, by telephone and/or email.

One of the nominees works for the Forestry Commission. She was able to recruit four woodland officers willing to be interviewed.

As the ALGAO nomination process produced too few possible interviewees, other methods were used to identify candidates:

- A call was made to NE's customer service number during which NE area team email addresses were requested. Emails were then sent to these email addresses, explaining the project and asking for nominations.
- CS agreement holder data available on NE's open data portal was queried to identify agreement holders. Agreement holder contact details were then found using internet and social media searches. Those identified were contacted by telephone and/or email.
- Internet and social media searches were made for CS agents. Those identified were contacted by telephone and/or email.
- Members of NE's Historic Environment Delivery Support (HEDS) network were asked to take part and nominate agreement holders (during a conference call held on 25 February 2020).
- Interviewees were asked during interviews to nominate agreement holders and agents.
- David Robertson also used personal knowledge of agreement holders, agents and NE staff.

In total 31 telephone interviews were conducted. Three interview questionnaires were used, one for each group (Appendix 1). Matching and similar questions featured in each of the three questionnaires to allow comparisons between groups. Each participant was encouraged to be as open and honest as they wanted to be; all were reassured that their responses would be anonymised at the report writing stage. Notes were taken during the interviews. No interview was recorded.

In 2018 a NE/RPA ‘HEFER review – monitoring and evaluation’ project was intending to speak to agreement holders and agents about HEFERs. It was hoped the results of NE/RPA’s project could be combined with those of this project. However, on speaking to two project members, it became apparent this project was closed before the reporting stage.

3.4. Case studies

On 14 January, 3 February and 5 February ALGAO members were asked to nominate case studies that show how HEFERs have influenced the drawing up of a CS agreement, and where specialist historic environment advice has led to positive outcomes for the historic environment. This resulted in seven Environmental Stewardship case studies being put forward but none for CS.

During the interviews six CS case studies were identified. Another came out of discussions between Sarah Poppy and David Robertson during the approach 1 meeting. All seven are presented below.

4. Results

4.1. Data available via the NE open data and SHINE websites - CS, SHINE and HEFER data

Measure 1: The number and cost of HEFERs requested

From 2016 to 2019 37,995 HEFERs requests were submitted to 81 English ALGAO members (Table 1). This figure includes HEFERs that were produced by ALGAO members and HEFERs auto-generated by the SHINE website. The reasons behind the auto-generation of HEFERs include an ALGAO member choosing not to respond to a HEFER request, an ALGAO member not being able to respond within the 20-working day deadline or, in 2019, HEFERs not being required for Mid Tier multi-annual applications that do not include designated heritage assets. It is important to note that this figure counts HEFER requests that went to two ALGAO members as two HEFERs (and three as three and so on), so is higher than the actual number of HEFERs produced.

Table 1: The number of HEFERs requested 2016-19, broken down by ALGAO England member/HER (listed in alphabetical order). This table includes HEFERs produced by ALGAO members and those auto-generated by the SHINE website.

ALGAO member/HER	Area (sq km)	2016	2017	2018	2019	Grand Total
Bath and North East Somerset	351	46	44	41	40	171
Bedford Borough	476	0	51	62	50	163
Bedfordshire County (Bedford Borough and Central Bedfordshire from 2017 on)	1235	89	0	0	0	88
Berkshire Archaeology	560	7	6	14	10	37
Birmingham City	268	2	1	1	2	6
Black Country	173	4	4	2	3	13
Bristol City	235	2	3	1	2	8

ALGAO member/HER	Area (sq km)	2016	2017	2018	2019	Grand Total
Buckinghamshire County	1565	80	148	157	131	516
Cambridgeshire County	3054	161	159	187	148	655
Central Bedfordshire	759	0	63	70	63	196
Cheshire County	2292	149	155	148	172	624
Chichester District	812	28	40	54	37	159
Cornwall and Isles of Scilly	3636	270	520	563	475	1828
Coventry District	99	1	1	2	5	9
Cumbria County	4214	262	435	509	640	1846
Derbyshire County	1734	79	130	146	128	483
Devon County (incl Dartmoor NP)	6436	548	1038	1142	1185	3913
Dorset County	2695	131	253	299	216	899
Dudley Borough	98	3	2	2	2	9
Durham	2430	82	107	126	119	434
East Sussex County	1811	91	123	141	119	474
Essex County (incl Colchester)	3879	134	157	169	122	582
Exmoor NPA	693	8	50	130	85	273
Gloucestershire County	2705	152	185	238	305	880
Greater London SMR	1595	8	15	42	17	82
Greater Manchester	1245	29	34	27	36	126
Hampshire County	3077	91	143	185	126	545
Herefordshire County	2180	290	367	498	455	1610
Hertfordshire County	1643	78	83	139	94	394
Humber Archaeology	2578	99	104	127	90	420
Isle of Wight	395	18	23	25	15	81
Kent County	3908	100	133	154	124	511
Lake District National Park	2363	88	146	228	238	700
Lancashire County	3240	253	285	334	357	1229
Leicester City	73	1	0	0	1	2
Leicestershire County	2478	143	176	167	174	660
Lincolnshire County	6106	242	238	180	175	835
Merseyside	818	11	12	25	11	59
Milton Keynes	309	23	33	29	27	112
Norfolk County	5498	250	256	307	194	1007
North East Lincolnshire	204	7	9	5	4	25
North Lincolnshire	876	35	26	28	28	117
North Somerset	391	27	58	52	32	169
North York Moors National Park	1441	95	99	110	87	391
North Yorkshire	5119	406	473	574	539	1992
Northamptonshire County	2367	170	210	268	206	854
Northumberland County	5078	177	274	257	227	935
Nottingham City	75	0	0	2	2	4
Nottinghamshire County	2087	83	110	73	81	347
Oxfordshire County	2614	132	188	232	170	722

ALGAO member/HER	Area (sq km)	2016	2017	2018	2019	Grand Total
Peak District National Park	1438	66	89	126	121	402
Peterborough City	343	12	11	18	12	53
Plymouth City	84	1	3	5	4	13
Portsmouth City	60	2	0	0	0	2
Sandwell District	86	0	1	0	0	1
Shropshire County	3488	313	343	482	430	1568
Solihull Borough	178	7	4	1	5	17
Somerset County	3022	214	437	451	414	1516
South Gloucestershire	537	40	51	49	52	192
South Yorkshire	1381	35	43	65	48	191
Southampton City	56	1	0	0	1	2
Southend-on-Sea	68	2	1	2	0	5
Staffordshire County	2417	152	163	168	178	661
Stoke-on-Trent City	93	1	2	0	2	5
Suffolk County	3854	199	182	207	158	746
Surrey County	1670	46	60	72	46	224
Tees (incl Middlesbrough & Redcar)	555	22	19	35	25	101
Torbay	119	1	6	5	5	17
Tyne and Wear	551	17	14	23	17	71
Warwickshire County	1978	105	106	134	106	451
West Berkshire	704	20	40	67	60	187
West Sussex County	1212	43	61	73	62	239
West Yorkshire	1984	55	73	95	117	340
Wiltshire County	3485	182	278	317	269	1046
Winchester District	661	29	37	42	28	136
Worcester City	33	2	1	0	2	5
Worcestershire County	1707	139	174	200	194	707
York City	272	21	21	24	16	82
Yorkshire Dales National Park	2185	94	213	298	214	819
Grand Total		7006	9603	11231	10155	37995

Devon County Council received the most HEFER requests between 2016 and 2019 (3913 in total). This is almost double the amount any other ALGAO member received. The top ten consulted ALGAO members were Devon, North Yorkshire (1992), Cumbria (1846), Cornwall (1825), Herefordshire (1610), Shropshire (1568), Somerset (1516), Lancashire (1046), Wiltshire (1046) and Norfolk (1007), all of which have received over 1000 requests. Another 18 ALGAO members have received over 500 requests.

Every ALGAO member has received a HEFER request, with one the lowest number received (two members). Twenty-six ALGAO members have received fewer than 100 consultations (excluding Bedfordshire County Council which appears in the 2016 figures only; it is represented by Central Bedfordshire and Bedford Borough from 2017 onwards). Unsurprisingly 21 of these 26 are urban unitary authorities, with the others being relatively small in size.

Over the lifespan of CS the circumstances in which applications required a HEFER have changed. In 2015 all Higher Tier applications required a HEFER, but Mid Tier applications only needed them if specific options were going to be included. After problems with this approach, it was decided from 2016 every Higher Tier and Mid Tier multi-annual application would require a HEFER. In 2018 Mid Tier wildlife offers were introduced; applications for these did not (and still do not) require HEFERs. In 2019 a decision was made to reduce the number of applications requiring an ALGAO-produced HEFER. Since 2019 Mid Tier multi-annual applications have only needed direct ALGAO input if there is a scheduled monument, registered historic park or garden, or registered battlefield within the applying holding. Application holdings without these types of designated heritage assets receive an auto-generated HEFER; these are populated with data held in the SHINE website at the time the HEFER request is submitted. The RPA, ALGAO and Historic England regularly review ALGAO's input into Mid Tier multi-annual applications and it is possible the level of ALGAO input may change again in the future.

The figures show a year-on-year increase in the number of HEFERs from 2016 to 2018, then a slight reduction in 2019 (about a 10% reduction from 2018 to 2019). It is unfortunate data is not available for 2015 and, as a result, comparisons with the original approach are not possible.

ALGAO members charge for preparing HEFERs when they 'complete' a HEFER request that involves a verifiable process of adding value ('additionality')¹. Of the 37,995 HEFERs requested between 2016 and 2019, 12,471 (33%) were subject of a charge. As a consequence, over this time period, ALGAO members were paid a total of £2,313,168 for producing HEFERs (Table 2). This works out at an average of £60.88 per HEFER requested or £185.48 per chargeable HEFER. The remaining 25,524 (67%) were provided free of charge.

Table 2: The amount paid to ALGAO members/HERs for HEFERs produced 2016-19

ALGAO member/HER	Area (sq km)	2016 (£)	2017 (£)	2018 (£)	2019 (£)	Grand Total (£)
Bath and North East Somerset	351	0	0	0	1,365	1,365
Bedford Borough	476	0	857	4,445	1,120	6,422
Bedfordshire County (Bedford Borough and Central Bedfordshire from 2017 on)	1235	8,330	0	0	0	8,330
Berkshire Archaeology	560	0	0	280	0	280
Birmingham City	268	0	0	0	0	0
Black Country	173	0	0	0	0	0

¹ 'Criteria for 'verifiable added value' include:

All HEFER Consultation Requests

- the ALGAO member has scoped the HEFER consultation area and has *added or amended a number of SHINE polygons within that area* to provide a comprehensive record of all historic features that meet the SHINE eligibility criteria. Only SHINE polygons within the HEFER area will be considered in assessments of added value; SHINE polygons within the HEFER area at the time of the HEFER Request that are then amended so they fall outside the HEFER area at the time of completing the HEFER will not be considered in assessments of added value.

Higher-Tier only - The ALGAO member has *provided detailed and relevant management recommendations for each SHINE record* through the creation of Heritage Management Advice Areas (HMAAs) at a relevant scale and detail to guide how components of the site in different management or of different form or significance can be managed' (RPA *et al.* 2020, 4).

ALGAO member/HER	Area (sq km)	2016 (£)	2017 (£)	2018 (£)	2019 (£)	Grand Total (£)
Bristol City	235	0	0	0	0	0
Buckinghamshire County	1565	9,415	14,734	14,401	3,010	41,560
Cambridgeshire County	3054	19,005	19,495	23,205	5,565	67,270
Central Bedfordshire	759		6,755	6,911	2,607	16,273
Cheshire County	2292	10,255	10,009	11,532	6,055	37,851
Chichester District	812	4,060	6,912	9,377	1,995	22,344
Cornwall and Isles of Scilly	3636	21,174	47,248	41,191	11,338	120,951
Coventry District	99	0	0	0	0	0
Cumbria County	4214	0	0	0	0	0
Derbyshire County	1734	6,457	8,503	3,183	980	19,123
Devon County	6436	45,307	68,492	47,716	18,178	179,693
Dorset County	2695	8,767	20,422	21,367	11,672	62,228
Dudley Borough	98	0	0	0	0	0
Durham	2430	3,535	3,885	7,665	2,590	17,675
East Sussex County	1811	10,902	6,979	4,163	4,095	26,139
Essex County	3879	16,730	17,324	12,932	4,480	51,466
Exmoor NPA	693	419	6,335	14,034	979	21,767
Gloucestershire County	2705	11,935	16,555	23,606	14,295	66,391
Greater London SMR	1595	0	595	3,255	174	4,024
Greater Manchester	1245	455	490	140	70	1,155
Hampshire County	3077	5,460	9,992	10,395	3,412	29,259
Herefordshire County	2180	26,232	34,403	43,887	10,726	115,248
Hertfordshire County	1643	6,475	6,755	9,957	2,240	25,427
Humber Archaeology	2578	15,050	8,505	12,425	2,449	38,429
Isle of Wight	395	2,765	2,502	2,887	2,310	10,464
Kent County	3908	9,310	13,912	13,857	9,047	46,126
Lake District National Park	2363	2,047	3,918	6,037	5,721	17,723
Lancashire County	3240	0	0	0	0	0
Leicester City	73	0			0	0
Leicestershire County	2478	11,969	16,432	13,684	4,795	46,880
Lincolnshire County	6106	11,970	24,675	21,927	8,312	66,884
Merseyside	818	210	35	0	0	245
Milton Keynes	309	0	0	0	0	0
Norfolk County	5498	35,087	34,823	38,394	10,901	119,205
North East Lincolnshire	204	0	945	875	0	1,820
North Lincolnshire	876	2,940	2,380	3,850	0	9,170
North Somerset	391	0	0	0	0	0
North York Moors NPA	1441	10,325	6,790	9,676	8,627	35,418
North Yorkshire	5119	45,132	41,982	54,510	16,008	157,632
Northamptonshire County	2367	0	16,992	16,730	4,024	37,746
Northumberland County	5078	5,547	11,987	11,602	6,405	35,541
Nottingham City	75			0	0	0
Nottinghamshire County	2087	0	0	0	1,732	1,732
Oxfordshire County	2614	7,892	18,690	21,752	9,414	57,748
Peak District National Park	1438	3,481	5,494	10,078	4,584	23,637

ALGAO member/HER	Area (sq km)	2016 (£)	2017 (£)	2018 (£)	2019 (£)	Grand Total (£)
Peterborough City	343	210	210	892	420	1,732
Plymouth City	84	0	0	0	0	0
Portsmouth City	60	0	0	0	0	0
Sandwell District	86	0	0	0	0	0
Shropshire County	3488	24,814	26,512	37,152	10,428	98,906
Solihull Borough	178	595	0	70	52	717
Somerset County	3022	14,943	34,736	32,320	7,504	89,503
South Gloucestershire	537	0	0	0	0	0
South Yorkshire	1381	2,362	3,219	3517	910	10,008
Southampton City	56	0	0	0	0	0
Southend-on-Sea	68	0	0	0	0	0
Staffordshire County	2417	12,967	11,776	12,809	3,132	40,684
Stoke-on-Trent City	93	0	0		0	0
Suffolk County	3854	26,232	20,177	22,048	5,582	74,039
Surrey County	1670	3,640	6,912	7,630	3,080	21,262
Tees	555	0	0	210	0	210
Torbay	119	0	0	0	0	0
Tyne and Wear	551	385	1,925	840	0	3,150
Warwickshire County	1978	10,954	15,714	14,489	3,535	44,692
West Berkshire	704	2,992	5,635	9,956	3,132	21,715
West Sussex County	1212	7,000	8,592	7,541	4,269	27,402
West Yorkshire	1984	1,435	840	700	945	3,920
Wiltshire County	3485	14,315	25,182	24,447	12,179	76,123
Winchester District	661	2,572	3,412	1,995	700	8,679
Worcester City	33	0	0	0	0	0
Worcestershire County	1707	13,997	17,706	19,596	2,850	54,149
York City	272	0	0	0	0	0
Yorkshire Dales National Park	2185	13,160	19,809	40,528	14,139	87,636
Grand Total		531,211	719,159	788,666	274,132	2,313,168

Devon County Council received the most payment (£179,693), over £22,000 more than any other member (and 7.8% of the overall 2016-2019 total). Four others received over £100,000, with a sixth just under this amount. The top ten earning ALGAO members were Devon, North Yorkshire, Cornwall, Norfolk, Herefordshire, Shropshire, Somerset, Yorkshire Dales, Wiltshire and Suffolk. Cumbria and Lancashire, two of the top ten most contacted ALGAO members, do not feature in the top ten earners. Both these ALGAO members have opted out of the SHINE and HEFER process, which means the SHINE website has auto-generated all Cumbria and Lancashire HEFERs and neither has been able to levy charges (as they neither 'complete' HEFER requests nor provide 'additionality').

Again figures show a year-on-year increase in the total payments made to ALGAO members from 2016 to 2018 (from £531,211 to £788,666). At £274,132, the 2019 total represents a significant decrease in payments. The 2019 changes to the criteria for consulting ALGAO members on HEFERs resulted in a 65% saving of £514,534 (when compared to the 2018 cost).

Measure 2: The number of HEFERs that included non-designated heritage assets (SHINE records)

When a HEFER is requested, the person ordering it uploads to the SHINE website a single GIS file showing the area covered by the holding concerned. This means the total area covered by the 37,995 HEFERs requested between 2016 and 2019 are stored in 37,995 separate GIS files. To address measure 2 it would have been necessary to combine all these separate files into one, and query this against the national SHINE dataset. Unfortunately it was beyond the scope of this project to secure all the necessary GIS files and combine them. As part of a future project it might be possible to do this or, perhaps instead, study a sample of HEFERs in an attempt to partly address measure 2.

Measure 3: The number of agreements set up

The March 2020 agreement area dataset contains 20,010 active CS agreements (Table 3). This compares with 24,324 active agreements in the comparable October 2019 dataset. As the datasets only contain active agreements it is not possible to give a figure for the overall number of agreements set up to date. The agreements active in March 2020 represent 52% of the HEFERs produced between 2016 and 2019.

Table 3: CS agreements active across England on 15 March 2020, broken down by type and application year

Historic environment options	2015	2016	2017	2018	2019	Grand Total
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				118	52	170
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					46	46
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					14	14
COUNTRYSIDE STEWARDSHIP - UPLAND OFFER (Middle Tier)					9	9
COUNTRYSIDE STEWARDSHIP (Higher Tier)	177	515	928	702	224	2546
COUNTRYSIDE STEWARDSHIP (Middle Tier)	715	2452	4265	4235	703	12370
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION		4	15	92	76	187
HEDGEROWS AND BOUNDARIES	33		782	975	1006	2796
IMPLEMENTATION PLAN	2	8	18	144	33	205
TREE HEALTH IMPROVEMENT			13	11	10	34
TREE HEALTH RESTORATION			49	106	82	237
WOODLAND CREATION GRANT	36	6	129	182	67	420
WOODLAND MANAGEMENT PLAN		9	261	337	369	976
Grand Total	963	2994	6460	6902	2691	20010

To breakdown the number of active agreements by HER/ALGAO member the March 2020 dataset was merged with the HER/ALGAO membership areas dataset. In the process, many agreements were automatically assigned multiple entries, giving an overall total of around 35,000 entries. In some cases multiple entries relate to

holdings that lie across local authority boundaries. This was the case with one holding studied under approach 2, where the merge process split the agreement area record into two, one for each HER/ALGAO member. In others it is likely to be down to slivers created by the merge process. This is probably the case with the example given in Table 4; all the four entries were in one county.

Table 4: An example of repeated entries for one agreement as present in the dataset created by merging 'Countryside Stewardship Scheme 2016 Management Areas (England)' with ALGAO/HER areas. Only certain fields are shown to ensure anonymity; some details have been removed for presentation purposes.

CSREF	START DATE	END DATE	GROSSAR	APP_YEAR	CS_TYPE
101733	01-01-2016	31-12-2020	80.7	2015	COUNTRYSIDE STEWARDSHIP (Middle Tier)
101733	01-01-2016	31-12-2020	80.7	2015	COUNTRYSIDE STEWARDSHIP (Middle Tier)
101733	01-01-2016	31-12-2020	80.7	2015	COUNTRYSIDE STEWARDSHIP (Middle Tier)
101733	01-01-2016	31-12-2020	80.7	2015	COUNTRYSIDE STEWARDSHIP (Middle Tier)

To overcome the problem with multiple entries, the 'Remove duplicates' data tool was used within Excel. This removed the multiple entries most likely produced by slivers, leaving only those created by local authority boundaries. It took the total of entries down to 21,739.

Appendix 2 presents the CS agreements active in March 2020 by ALGAO member/HER area. This shows that most CS agreements have been set up in Devon (2052, about 9% of all agreements). Cumbria (1135 agreements), North Yorkshire (1129), Northumberland (894), Cornwall (888), Somerset (818), Shropshire (788), Herefordshire (735), Lancashire (624) and Wiltshire (602) make up the top ten. Nine of this top ten feature in the top ten ALGAO members consulted on HEFERs. The missing ALGAO member is Northumberland, which is the 11th most consulted ALGAO member (Norfolk is the 10th most consulted and 11th in the list of most active CS agreements).

Measure 4: The number of agreements that include historic environment options (including PA1 implementation plans and PA2 feasibility studies)

Each CS option is included as a separate entry in the 'Countryside Stewardship Scheme 2016 Management Options' dataset. The March 2020 dataset therefore includes 459,801 different adopted options, of which 5987 are historic environment options (HE1, HE2, HE3, HS1, HS2, HS3, HS4, HS5, HS6, HS7, HS8 and HS9; Table 5). A breakdown of historic environment options by ALGAO member/HER is included in Appendix 3.

The 5987 historic environment options represent 1.3% of all CS options applied. This percentage would increase if options were included that can sometimes have a historic environment element, such as BN2 Stone faced bank restoration and BN12 Stone Wall Restoration.

Table 5: Active historic environment options, as of 9 March 2020. 'Nav' means the option was not available in the given year.

Historic environment options	2015	2016	2017	2018	2019	Grand Total	% of historic environment options (n= 5987)	% of all options (n= 459801)
HE1 - Historic and archaeological feature protection	20	17	51	22	1	111	1.85	0.02
HE2 - Historic building restoration	Nav	Nav	Nav	Nav	40	40	0.67	0.01
HE3 - Removal of eyesore	0	1	28	13	0	42	0.70	0.01
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	135	444	996	810	54	2439	40.74	0.53
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.	10	103	208	127	3	451	7.53	0.10
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features	24	119	174	113	6	436	7.28	0.09
HS4 - Scrub control on historic and archaeological features	0	4	21	24	3	52	0.87	0.01
HS5 - Management of historic and archaeological features on grassland	70	463	980	647	26	2186	36.51	0.48
HS6 - Maintenance of designed/engineered water-bodies	1	15	8	3	0	27	0.45	0.01
HS7 - Management of historic water meadows through traditional irrigation	5	0	14	5	0	24	0.40	0.01
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas	8	11	42	38	3	102	1.70	0.02
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation	7	10	31	27	2	77	1.29	0.02
Grand Total	280	1187	2553	1829	138	5987	100	1.30

There are also 214 implementation plans (PA1) and 148 Feasibility Studies (PA2) in the March 2020 dataset. However, it is not apparent from the dataset how many of these have a historic environment element or focus so they have been left out of the analysis.

The 5987 historic environment options have been applied across 2764 different agreements. This means (as of March 2020) around 14% of active CS agreements include historic environment options. These options will have been applied to SHINE records, designated historic environment features (listed buildings, scheduled monuments, registered parks and gardens, and historic battlefields) and traditional farm buildings that are known to agreement holders but not ALGAO members/HERs (and therefore are not in the SHINE dataset or listed buildings).

Using the number of times an option has been applied as a measure, the most popular options are HS1 maintenance of traditional farm buildings (41% of all agreements with historic environment options/0.53% of all agreements) and HS5 management of historic and archaeological features on grassland (37%/0.48%). The least popular is HS7 management of historic water meadows through traditional irrigation (0.4%/0.01%).

Measure 5: The number of agreements that include specific historic environment options (HS1 Maintenance of waterproof traditional farm buildings and HS2 Take historic and archaeological features out of cultivation, for example)

The 5987 historic environment options applied across 2764 different agreements can be broken down by individual options (Table 6). Using the number of agreements as a measure, the most popular options are HS1 maintenance of traditional farm buildings (66% of all agreements with historic environment options/9% of all agreements) and HS5 management of historic and archaeological features on grassland (25%/3.5%). The least popular is HS7 management of historic water meadows through traditional irrigation (0.14%/0.02%).

Table 6: The number of agreements that include each specific historic environment options

Historic environment options	Number of agreements	% of agreements with historic environment options (n = 2764)	% of all agreements (n = 20010)
HE1 - Historic and archaeological feature protection	49	1.77	0.24
HE2 - Historic building restoration	40	1.45	0.20
HE3 - Removal of eyesore	20	0.72	0.10
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	1813	65.59	9.06
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.	259	9.37	1.29
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features	163	5.90	0.81
HS4 - Scrub control on historic and archaeological features	41	1.48	0.20

Historic environment options	Number of agreements	% of agreements with historic environment options (n = 2764)	% of all agreements (n = 20010)
HS5 - Management of historic and archaeological features on grassland	694	25.11	3.47
HS6 - Maintenance of designed/engineered water-bodies	16	0.58	0.08
HS7 - Management of historic water meadows through traditional irrigation	4	0.14	0.02
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas	74	2.68	0.37
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation	39	1.41	0.19

Measure 6: The number of non-designated heritage assets (SHINE records) that are managed under historic environment options

CS options are currently mapped as points within the 'Countryside Stewardship Scheme 2016 Management Options' dataset, with points placed in the centre of the land parcel to which it has been applied to (rather than as a polygon covering the option area). This makes it difficult to determine which SHINE records are covered by which options, with it only possible to be certain that an option covers a SHINE record where they directly where overlay each other. As a result, a join query was run to establish the distance between all SHINE records and option locations (using the January 2020 dataset).

A SHINE record was only included in the project's analysis where the distance it and an option location was calculated to be zero. This means the figures below should be considered minimum totals. More SHINE records will be covered by options, but it is not currently possibly possible to identify these cases with certainty. For example, a small SHINE record located in the corner of a parcel that does not intersect the centre of that parcel and which has an option covering its alone will not be included in the figures.

Between 2015 and 2018 at least 466 SHINE records had historic environment options applied to them (Table 7; see Appendix 4 for a breakdown by HER). No 2019 historic environment options were found to be zero metres away from SHINE records (in the January 2020 'Countryside Stewardship Scheme 2016 Management Options' dataset).

Table 7: Historic environment options applied to SHINE records in agreements live in January 2020

Historic environment options	2015	2016	2017	2018	Grand Total	%
HE1 - Historic and archaeological feature protection			1		1	0.23
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	10	18	49	44	121	27.75
HS2 - Take historic and archaeological features currently on cultivated land out	3	9	11	12	35	8.03

Historic environment options	2015	2016	2017	2018	Grand Total	%
of cultivation.						
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features	2	8	17	2	29	6.65
HS4 - Scrub control on historic and archaeological features			2	3	5	1.15
HS5 - Management of historic and archaeological features on grassland	12	65	97	61	235	53.90
HS6 - Maintenance of designed/engineered water-bodies			1		1	0.23
HS7 - Management of historic water meadows through traditional irrigation				1	1	0.23
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas			4	1	5	1.15
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation		1	1	1	3	0.69
Grand Total	27	101	183	125	436	

The minimum of 466 historic environment options known to have been applied to SHINE records represent only 7.28% of the historic environment options included in the March 2020 options dataset, a really low percentage (see Table 5). Although it is important to acknowledge some historic environment options will have been applied to designated heritage assets and traditional farm buildings that are known to agreement holders but not ALGAO members/HERs, it is very unlikely these make up all of the remaining 92.72%. Instead, many historic environment options will have been applied to SHINE records and missed by the project's queries, due to the point-based nature of options data and the related difficulties in establishing when SHINE records are covered by options. To consider the minimum of 466 SHINE records with historic environment options applied as a reflection of the effectiveness, impact and value of SHINE data and HEFERs would therefore be misleading.

Despite this important caveat it is interesting to note that by far and away the most popular option known to have been applied to SHINE records is the management of historic and archaeological features on grassland. (HS5; 54% of all historic environment options applied to SHINE sites). This is perhaps not surprising as it is an option that rarely requires land managers to make significant changes to their existing land management practice. Maintenance of weatherproof traditional farm buildings is the second most popular (HS1; 28%), with the figures for other historic environment options comparatively low.

Measure 7: The number of non-designated heritage assets (SHINE records) that are managed under non-historic environment options

The join query used to answer question 7 was also used to identify SHINE records managed under non-historic environment options. As with question 7, a SHINE record was only included in the project's analysis where the distance it and a non-historic environment option location was calculated to be zero. Again this means the

figures presented below should be considered minimum totals and not a true reflection of the effectiveness, impact and value of SHINE data and HEFERs.

Since 2015 at least 6733 SHINE records have had non-historic environment options applied to them (Table 8; see Appendix 5 for a breakdown by HER). These represent 1.36% of all CS options adopted.

Table 8: Non-historic environment options applied to SHINE records in agreements live in January 2020.

Non-historic environment options	2015	2016	2017	2018	2019	Grand Total	%
AB1 - Nectar Flower Mix	11	37	59	44		151	2.24
AB10 - Unharvested cereal headland		4	6	4		14	0.21
AB11 - Cultivated areas for arable plants		8	13	7		28	0.42
AB12 - Supplementary winter feeding for farmland birds	3	10	22	26		61	0.91
AB13 - Brassica fodder crop		2	3	4		9	0.13
AB14 - Harvested low input cereal		2	6			8	0.12
AB15 - Two year sown legume fallow	2	7	12	18		39	0.58
AB16 - Autumn Sown BumbleBird Mix	2	5	9	6		22	0.33
AB2 - Basic Overwinter stubble	1	19	24	15		59	0.88
AB3 - Beetle banks		1	2	2		5	0.07
AB4 - Skylark Plots		1	4	2		7	0.10
AB5 - Nesting Plots for Lapwing		1	1	2		4	0.06
AB6 - Enhanced overwinter stubble		3	5	6		14	0.21
AB7 - Wholecrop cereals			5	1		6	0.09
AB8 - Flower rich margins and plots	12	52	94	62		220	3.27
AB9 - Winter bird food	10	50	85	79		224	3.33
AC1 - Access Capital Items			1	1		2	0.03
AC2 - Countryside Educational Visits Accreditation Scheme (CEVAS)			4	2		6	0.09
APO - Additional Parcel Option	13	120	340	271	39	783	11.63
BE1 - Protection of in-field trees on arable land		3				3	0.04
BE2 - Protection of in-field trees on intensive grassland	1	5	5	4		15	0.22
BE3 - Management of hedgerows	91	330	513	463		1397	20.75
BE4 - Management of traditional orchards		4	6	8		18	0.27
BE5 - Creation of traditional orchards			8	2		10	0.15
BN1 - Stone-faced bank repair			1	2		3	0.04
BN10 - Hedgerow Supplement - Top Binding and Staking			20	14		34	0.50
BN11 - Planting new hedges			18	32		50	0.74
BN12 - Stone Wall Restoration			51	78	7	136	2.02
BN13 - Stone Wall - Top Wiring			2	2		4	0.06
BN2 - Stone faced bank restoration			1	2		3	0.04
BN3 - Earth bank creation				1		1	0.01
BN4 - Earth Bank Restoration			5	3	2	10	0.15
BN5 - Hedgerow laying			38	43	3	84	1.25
BN6 - Hedgerow Coppicing			8	15		23	0.34
BN7 - Hedgerow Gapping			11	22		33	0.49

Non-historic environment options	2015	2016	2017	2018	2019	Grand Total	%
CT1 - Management of coastal sand dunes and vegetated shingle	1		3			4	0.06
CT3 - Management of coastal saltmarsh			1	2		3	0.04
ED1 - Educational Access	1	2	7	4		14	0.21
FG1 - Fencing			26	33		59	0.88
FG10 - Temporary deer fencing / m			3	3		6	0.09
FG11 - Deer enclosure plot/unit			9	7		16	0.24
FG12 - Wooden Field Gate			25	35		60	0.89
FG2 - Sheep netting			54	87		141	2.09
FG3 - Permanent electric fencing			1	5		6	0.09
FG9 - Woodland Fencing - Deer				2		2	0.03
FM2 - Major preparatory work for Priority Habitats (creation and restoration) and Priority Species			5	6		11	0.16
FY1 - Deer high seat / unit			10	11		21	0.31
FY2A - Capital investments to improve access infrastructure to woodlands.			7	2		9	0.13
GS1 - Take field corners and small areas out of management	2	11	7	11		31	0.46
GS10 - Management of wet grassland for wintering waders and wildfowl	1	8	10	11		30	0.45
GS13 - Management of grassland for target features	6	26	62	36		130	1.93
GS14 - Creation of grassland for target features		1		1		2	0.03
GS15 - Haymaking supplement		7	16	15		38	0.56
GS16 - Rush infestation control supplement		1	5	2		8	0.12
GS17 - Lenient Grazing Supplement	1	29	63	64		157	2.33
GS2 - Permanent grassland with very low inputs (outside SDAs)	67	196	448	349		1060	15.74
GS3 - Ryegrass seed-set as winter food for birds	1	1		1		3	0.04
GS4 - Legume and herb-rich swards		2	4	4		10	0.15
GS5 - Permanent grassland with very low inputs in SDA	3	10	28	27		68	1.01
GS6 - Management of species-rich grassland	4	15	37	35		91	1.35
GS7 - Restoration towards species-rich grassland	2	1	13	5		21	0.31
GS8 - Creation of species-rich grassland			1			1	0.01
GS9 - Management of wet grassland for breeding waders			3	6		9	0.13
LH1 - Management of lowland heathland			7	4		11	0.16
LV3 - Hard bases for livestock drinkers			3	6		9	0.13
LV4 - Hard bases for livestock feeders				2		2	0.03
LV7 - Livestock troughs			1	2		3	0.04
LV8 - Pipework for livestock troughs				4		4	0.06
OP1 - Overwintered stubble				1		1	0.01
OP2 - Wild bird seed mixture		1	2	1		4	0.06
OP3 - Supplementary feeding for		2	2			4	0.06

Non-historic environment options	2015	2016	2017	2018	2019	Grand Total	%
farmland birds							
OP5 - Undersown cereal				1		1	0.01
OR1 - Organic conversion - improved permanent grassland			7	5		12	0.18
OR2 - Organic conversion - unimproved permanent grassland			3			3	0.04
OR3 - Organic conversion - rotational land			2	5		7	0.10
OT1 - Organic land management - improved permanent grassland	12	30	44	25		111	1.65
OT2 - Organic Land Management - unimproved permanent grassland		5	3	7		15	0.22
OT3 - Organic Land Management - rotational land	8	15	26	4		53	0.79
OT5 - Organic Land Management - Top Fruit		1	1			2	0.03
PA1 - Implementation Plan/Unit			1	2	1	4	0.06
PA2 - Feasibility Study		1	2	4	2	9	0.13
PA3 - Woodland Management plan/per ha			19	30	13	62	0.92
RP1 - Resurfacing of gateways			2	4		6	0.09
RP12 - Check dams and woody debris dams			1			1	0.01
RP13 - Yard - underground drainage pipework			5	6		11	0.16
RP14 - Yard inspection pit			4	2		6	0.09
RP15 - Concrete yard renewal			26	26		52	0.77
RP16 - Rainwater goods			2	3		5	0.07
RP18 - Above ground tanks				1		1	0.01
RP24 - Lined biobed plus pesticide loading and washdown area				1		1	0.01
RP26 - Biofilters				1		1	0.01
RP27 - Sprayer or applicator load and washdown area/sq m			2			2	0.03
RP28 - Roofing (sprayer washdown area, manure storage area, ...)			8	7		15	0.22
RP4 - Livestock and machinery hardcore tracks			8	10		18	0.27
RP5 - Cross drains/unit			2	1		3	0.04
RP6 - Installation of piped culverts and ditches				1		1	0.01
SB1B - Scrub Control and Felling Diseased Trees			1			1	0.01
SB1D - Scrub Control and Felling Diseased Trees			2			2	0.03
SB1F - Scrub Control and Felling Diseased Trees			1			1	0.01
SB2 - Scrub control - difficult sites				1		1	0.01
SB3 - Tree removal				1		1	0.01
SB4 - Chemical Bracken Control			1	2		3	0.04
SB6A - Rhododendron control			1	1		2	0.03
SB6B - Rhododendron control				1		1	0.01

Non-historic environment options	2015	2016	2017	2018	2019	Grand Total	%
SB6C - Rhododendron control			1			1	0.01
SP10 - Administration of group managed agreements supplement			1			1	0.01
SP3 - Bracken control supplement			2	4		6	0.09
SP6 - Cattle grazing supplement		2	7	14		23	0.34
SP8 - Native breeds at risk supplement		1	5	1		7	0.10
SP9 - Threatened species supplement			1			1	0.01
SW1 - 4-6m buffer strip on cultivated land	7	97	107	53		264	3.92
SW10 - Seasonal livestock removal on intensive grassland				1		1	0.01
SW11 - Riparian management strip	2	1		1		4	0.06
SW14 - Nil fertiliser supplement			2			2	0.03
SW16 - Flood mitigation on permanent grassland				1		1	0.01
SW2 - 4-6m buffer strip on intensive grassland	1	5	5	2		13	0.19
SW3 - In-field grass strips		2	8	10		20	0.30
SW4 - 12-24m watercourse buffer strip on cultivated land		4	2	3		9	0.13
SW5 - Enhanced management of maize crops		1		2		3	0.04
SW6 - Winter cover crops		1	1	2		4	0.06
SW9 - Seasonal livestock removal on intensive grassland		1	5	4		10	0.15
TE10 - Coppicing Bank-side Trees			1	4		5	0.07
TE11A - Tree surgery				1		1	0.01
TE11B - Tree surgery				2		2	0.03
TE4A - Woodland Tree Planting - Biodiversity			2	5	1	8	0.12
TE4B - Woodland Tree Planting - Improving water quality or reducing flood risk				1		1	0.01
TE4C - Woodland Tree Planting - Restock after a tree health issue				4		4	0.06
UP1 - Enclosed rough grazing	2		3	10		15	0.22
UP2 - Management of rough grazing for birds		1	1	8		10	0.15
UP3 - Management of Moorland			4	4		8	0.12
UP6 - Upland livestock exclusion supplement				1		1	0.01
WB1 - Small Wildlife Box			2	9		11	0.16
WB2 - Medium Wildlife Box			1	3		4	0.06
WB3 - Large Wildlife Box				2		2	0.03
WD1 - Woodland creation - maintenance payments		1	4	3		8	0.12
WD2 - Woodland improvement	28	46	105	116		295	4.38
WD3 - Woodland edges on arable land		2				2	0.03
WD4 - Management of wood pasture and parkland	1		5			6	0.09
WD5 - Restoration of wood pasture and parkland		1		1		2	0.03

Non-historic environment options	2015	2016	2017	2018	2019	Grand Total	%
WD6 - Creation of wood pasture		1		1		2	0.03
WD7 - Management of successional areas and scrub		2	6	3		11	0.16
WD8 - Creation of successional areas and scrub			1			1	0.01
WN5B - Pond Management - restoration - first 100 sq m			1	3		4	0.06
WN6B - Pond Management - restoration - (areas more than 100 sq m)			1			1	0.01
WT1 - Buffering in field ponds and ditches in improved grassland	1					1	0.01
WT11 - Wetland cutting supplement				1		1	0.01
WT12 - Wetland grazing supplement		1	1			2	0.03
WT2 - Buffering in-field ponds and ditches on arable land			3			3	0.04
WT5 - Management of ponds of High Wildlife value (more than 100 sq m)		1				1	0.01
WT6 - Management of reedbed			1	1		2	0.03
Grand Total	297	1200	2708	2460	68	6733	

Two options have been applied to SHINE records more than 1000 times: BE3 Management of hedgerows (1397 times, making up 21% of the occasions non-historic environment options have been applied) and GS2 Permanent grassland with very low inputs (1060, 16%). Another has been adopted more than 500 times (APO, 783 times, 12%), with another four over 200 times (AB8, AB9, SW1 and WD2) and six options over 100 times (AB1, BN12, OT1, GS13, GS17 and FG2).

The CS manual states option FG2 (sheep netting) must not be used 'on historic or archaeological features as identified in the HEFER' (gov.uk not dated), including SHINE records. This scheme rule can be overcome for SHINE records if the relevant ALGEO member provides written support on each and every occasion. It would be interesting to know if this written support was secured in all 141 cases where FG2 was applied to SHINE records. Other options applied to SHINE records where scheme rules do not allow automatic use include FG1 fencing (59 times), RP13 yard underground drainage pipework (11 times), LV3 hard bases for livestock drinkers (9 times) and LV8 pipework associated with livestock troughs (4 times). Some options that can damage archaeological remains do not have automatic safeguards in scheme rules. These include FG10 temporary deer fencing which GIS queries suggest have been applied to six SHINE records.

Measure 8: The number of non-designated heritage assets (SHINE records) that are in CS holdings and were included in HEFERs but are not managed under CS options

To answer question 8 it would have been necessary to combine all the separate 37,995 HEFERs GIS files into one and query this against the national SHINE dataset (see question 2 above) and March 2020 options dataset. It was beyond the scope of this project to secure all the necessary HEFER GIS files and combine them. As a result, was not possible to answer question 8.

Measure 9: The monetary investment in the historic environment resulting from historic environment options

By March 2020 a total of £30,587,591 had been committed on CS historic environment options. Breakdowns by options are presented in Table 9, with further breakdowns by ALGAO member/HER area in Appendix 6. Excluding the £1,253,905 committed towards options in 2015 (as HEFER costs for 2015 were not available to the project) and some of the options chosen in 2019 (not all of which are yet present in March 2020 data but are expected to appear in later versions), the £29,333,686 committed since 2016 represents just over 12.68 times the investment in HEFERs (£2,313,168). This means for every £1 spent on HEFERs, just over £12.68 has been put towards the management of the historic environment through CS historic environment options.

From 2015 to 2017 the spend on historic environment options increased year on year. This could be explained by the 2016 changes in requirements for HEFERs, the resulting need for every application to have a HEFER and an increase in the number of HEFERs produced by ALGAO members from 2016 to 2017 (up from 7006 to 9603). However, the requirements for HEFERs were the same in 2017 and 2018 and more HEFERs were produced in 2018 than 2017 (11231 in 2018), but the investment in historic environment options reduced in 2018. This suggests other factors (not just HEFERs) were also involved in determining the level of investment. One possible factor was thought to be the overall uptake of agreements year on year, but this appears not to be the case. Table 10 shows how spend on historic environment options increased in 2016 and 2017 as the number of agreements set up increased. In 2018 both the number of HEFERs requested and the number of agreements set up increased again, but the spend on historic environment options dropped. This suggests other factors were also at play, perhaps including the nature of expiring Environmental Stewardship schemes and the 2018 introduction of the Mid Tier arable offer (applications for which did not require a HEFER).

Table 9: Funding committed to historic environment options to date. 'Nav' means the option was not available in the given year.

Historic environment options	2015	2016	2017	2018	2019	Grand Total	% of total historic environment spend
HE1 - Historic and archaeological feature protection	£3,319	£185,264	£819,016	£646,752	£78,935	£1,733,286	5.67
HE2 - Historic building restoration	Nav	Nav	Nav	Nav	£4,144,103	£4,144,103	13.55
HE3 - Removal of eyesore	0	£2,900	£14,500	£4,640	0	£22,040	0.07
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£845,000	£3,050,125	£6,033,625	£4,722,575	£357,500	£15,008,825	49.07
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.	£82,471	£1,035,364	£1,600,295	£672,435	£26,456	£3,417,021	11.17
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological	£95,357	£636,511	£1,371,258	£781,148	£26,591	£2,910,866	9.52

Historic environment options	2015	2016	2017	2018	2019	Grand Total	% of total historic environment spend
features							
HS4 - Scrub control on historic and archaeological features	0	£2,343	£20,639	£58,663	£8,186	£89,831	0.29
HS5 - Management of historic and archaeological features on grassland	£67,781	£396,371	£835,157	£477,224	£18,609	£1,795,140	5.87
HS6 - Maintenance of designed/engineered water-bodies	£682	£11,022	£12,034	£14,102	0	£37,840	0.12
HS7 - Management of historic water meadows through traditional irrigation	£47,916	0	£136,664	£54,186	0	£238,766	0.78
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas	£74,030	£60,570	£154,790	£114,410	£80,760	£484,560	1.58
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation	£37,349	£145,029	£239,642	£282,164	£1,131	£705,314	2.31
Grand Total	£1,253,905	£5,525,498	£11,237,619	£7,828,298	£4,742,271	£30,587,591	

Table 10: Number of agreements set up compared to funding committed to historic environment options to date.

	2015	2016	2017	2018	2019	Grand Total
Number of CS agreements	1040	3304	7053	7490	2852	21739
Spend on historic environment options	£1,253,905	£5,525,498	£11,237,619	£7,828,298	£4,742,271	£30,587,591

Nearly 50% of the money committed on historic environment options has been committed on just one option: HS1 - Maintenance of Weatherproof Traditional Farm Buildings (49% and the most popular historic environment option by number and number of agreements, Tables 5 and 6). When the other two traditional farm building options (HE2 and HS8) are added to this, together the three options comprise just under two thirds of the committed spend (64.2%). It is not necessary for a traditional farm building to appear on a HEFER for one of these three options to be applied to it. They only need to appear on the Farm Environment Record or, in the case of HE2², be located within the HE2 pilot study areas and identified as a priority by NE (gov.uk not dated).

Non-historic building options make up just over one third of the money spent on historic environment options (35.8%). The second most popular option (both by number and number of agreements) overall has the fifth highest monetary

² From 2018 to April 2020 option HE2 was available as a pilot grant scheme. It applied only to roofed historic buildings in the Dartmoor, Lake District, Northumberland, Peak District and Yorkshire Dales National Parks (gov.uk not dated).

commitment: HS5 – Management of historic and archaeological features on grassland makes up 5.9% of the overall commitment. This may reflect the fact it is a relatively low paying option (£30 per hectare; gov.uk not dated) and repairs to historic buildings often cost a significant amount.

4.2. HEFERs and CS agreements

Fourteen HEFERs were assessed to see how the advice provided by ALGAO members has been taken forward in CS agreements. These 14 came from across England, with at least one from each of eight ALGAO regions (one HEFER crossed the boundary between two ALGAO regions). At least two were assessed from each HEFER year between 2015 and 2018 (Table 11). The opportunity was taken to extend the assessment beyond SHINE records, to include scheduled monuments and registered parks and gardens where they featured in the selected HEFERs.

Table 11: HEFERs compared to CS agreements broken down by ALGAO region and HEFER year

ALGAO region	2015	2016	2017	2018	Grand Total
East	1	1	1	1	4
East Midlands; West Midlands	1				1
North East				1	1
North West				1	1
South East				1	1
South West				2	2
West Midlands	1	1	1		3
Yorkshire				1	1
Grand Total	3	2	2	7	14

HEFERs present SHINE records and management advice in table format parcel by parcel. As a result, the 14 HEFERs selected contained 340 individual heritage asset parcel entries (Table 12; Appendix 7). These entries covered 78 SHINE records (283 parcel entries), 10 scheduled monuments (24 entries) and one registered historic park and garden (33 entries).

Eleven of the HEFERs assessed resulted in CS agreements (79%). For one reason or another the other three holdings did not enter into agreements. Six of the CS agreements are Mid Tier agreements; the other five are Higher Tier.

Table 12: Heritage assets covered by the 14 HEFERs assessed

HEFER no.	ALGAO region	Agreement set up?	Agreement tier	HEFER year	Parcel Entries in HEFER	SHINE records	SHINE parcel entries	Scheduled monuments	Scheduled Monument parcel entries	Registered parks and gardens	Registered parks and gardens parcel entries
1	South East	Yes	Mid Tier	2018	39	9	36	1	3	0	0
2	South West	Yes	Mid Tier	2018	3	2	3	0	0	0	0
3	South West	Yes	Mid Tier	2018	53	14	53	0	0	0	0
4	Yorkshire	Yes	Mid Tier	2018	15	15	15	0	0	0	0
5	West Midlands	Yes	Higher Tier	2015	23	6	22	1	1	0	0
6	West Midlands	No	N/A	2016	19	2	18	1	1	0	0
7	West Midlands	Yes	Higher Tier	2017	16	6	13	2	3	0	0
8	East Midlands; West Midlands	Yes	Higher Tier	2015	73	8	62	4	11	0	0
9	East	Yes	Higher Tier	2015	42	4	37	1	5	0	0
10	East	No	N/A	2018	36	1	3	0	0	1	33
11	East	No	N/A	2017	1	1	1	0	0	0	0
12	East	Yes	Mid Tier	2016	4	2	4	0	0	0	0
13	North East	Yes	Higher Tier	2018	9	6	9	0	0	0	0
14	North West	Yes	Mid Tier	2018	7	2	7	0	0	0	0
Total					340	78	283	10	24	1	33

It must be acknowledged that 14 HEFERS represent a very small sample of the 37,995 HEFERS requested and produced between 2015 and 2018 (0.04%). It also has to be recognised that the selection process involved elements of bias, including the requirement that included HEFERS must have at least one SHINE record and only two ALGAO members were asked to provide 2015-17 HEFERS. Nonetheless those assessed do allow useful observations to be made.

Measure 10: The number of heritage asset parcel entries in CS agreements.

It is certain 197 heritage asset parcel entries were covered by a CS agreement in March 2020 (58%; Table 13), compared to 122 that were not (36%). The status of the other 7% is uncertain, either because the parcel or the HMAA are not labelled on HEFER maps.

Table 13: Heritage asset parcel entries in the 14 assessed HEFERS that are in CS agreements

Heritage asset parcel by assessment category	2015	2016	2017	2018	Grand Total	Percentage
Holding did not enter into an agreement		19	1	36	56	16
No	32	3	8	23	66	19
Uncertain as HMAA not labelled on HEFER map	12	0	0	0	12	4
Uncertain as parcel not labelled on HEFER map	8	0	0	1	9	3
Yes	86	1	8	102	197	58
Grand Total	138	23	17	162	340	

Measure 11: The number of heritage asset parcel covered by CS options

It is certain that 134 heritage asset parcel entries were covered by an option in March 2020 (39%; Table 14), with another 4 that were probably covered by an option (1%). These figures can be compared to 136 entries that were not (40%). The status of the other 19% is uncertain, mainly because the point-based nature of the option data.

Table 14: The number of heritage assets parcels in the 14 assessed HEFERS covered by CS options

Heritage asset parcel by assessment category	2015	2016	2017	2018	Grand Total	Percentage
Holding did not enter into an agreement	0	19	1	36	56	16
No	36	3	8	33	80	24
Probably	4	0	0	0	4	1
Uncertain	36	0	1	29	66	19
Yes	62	1	7	64	134	39
Grand Total	138	23	17	162	340	

Measure 12: CS options applied to heritage asset parcel entries

Fourteen different CS options are known to have been applied to 138 heritage asset parcel entries. These are listed in Table 15.

The most frequently applied options are HS5 - Management of historic and archaeological features on grassland and BE3 – Management of hedgerows (both applied 42 times, 12% of the total). GS13 – Management of grassland for target features is the third most popular (6%).

Table 15: CS options applied to the heritage asset parcel entries in the 14 assessed HEFERs.

CS options	2015	2016	2017	2018	Grand Total
AB1 - Nectar Flower Mix	4				4
AB13 - Brassica fodder crop				3	3
AB2 - Basic Overwinter stubble				1	1
AB7 - Wholecrop cereals				3	3
AB9 - Winter bird food	2				2
BE3 - Management of hedgerows			2	40	42
BN5 - Hedgerow laying				2	2
GS13 - Management of grassland for target features	20				20
GS2 - Permanent grassland with very low inputs (outside SDAs)	5				5
GS5 - Permanent grassland with very low inputs in SDA				1	1
GS6 - Management of species-rich grassland	1		2	5	8
HS5 - Management of historic and archaeological features on grassland	34		3	5	42
N/A	36	22	9	69	136
SP6 - Cattle grazing supplement				4	4
SW1 - 4-6m buffer strip on cultivated land		1			1
Uncertain	36		1	29	66
Grand Total	138	23	17	162	340

AB13 – Brassica fodder crop has been applied three times (all within HEFER 1), twice to SHINE records and once to a Scheduled Monument. Under CS rules, this option cannot be placed on historic or archaeological features identified in HEFER (gov.uk not dated). It is possible agreement to apply this option to these heritage assets was secured from the relevant ALGAO member (the SHINE records) and Historic England (the scheduled monument). However, it is also possible it was applied by mistake and that the agreement holder, their agent and/or Natural England/RPA staff involved in setting up the relevant Mid Tier agreement would benefit from additional training.

Measure 13: How often HEFER advice was followed

Assessment of the 14 HEFERs suggests HEFER advice is followed at least 19% of the time ('Yes' in Table 16). This compares to advice being ignored 3% of the time ('No in Table 16). Interestingly 29% of the of the time the heritage asset land parcels did not enter agreements, either because the whole holding did not enter into an

agreement or land parcels were left out of an agreement ('N/A' in Table 16). The reasons why land parcels containing SHINE records were left out of agreements are likely to be numerous, but could include the SHINE records themselves and associated CS scheme rules.

Table 16: Was the advice given in the 14 HEFERS followed?

Was the advice followed?	2015	2016	2017	2018	Grand Total	Percentage
Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice				51	51	15
N/A	22	22	7	48	99	29
No	4			6	10	3
Sliver created by HMAA processes in SHINE website	33		3	17	53	16
Thin sliver on the edge of record just touches this land parcel	12		1	19	32	9
Uncertain	15		3	12	30	9
Yes	52	1	3	9	65	19
Grand Total	138	23	17	162	340	

31% of the advice in the 14 HEFERS was autogenerated by the SHINE website. It proved impossible to assess the effectiveness of this, due to the generic nature of the advice and the generic information provided by option prescriptions (gov.uk not dated). The autogenerated advice can be broken down to that given in Mid Tier HEFERS (15%) and where software within the SHINE website auto-created tiny management area polygons (HMAAs) around the edges of SHINE polygons (16%; Figure 1). An additional 9% of the advice was linked to thin slivers on the edges of SHINE record polygons, where tiny sections of the SHINE records touch an adjacent parcel (Figure 2). There is a need to explore how slivers are created, by investigating how the software within the SHINE website works and providing ALGAO members with refresher training so they understand the difficulties created when SHINE polygons touch adjacent land parcels.

Eight out of the 10 scheduled monuments in the 14 HEFERS studied went into CS agreements (some completely, others in part). Of the other two, one was in a holding that did not enter into an agreement, the other was excluded from the holding's agreement area (as only a thin sliver on the edge of the scheduled monument was within the holding).

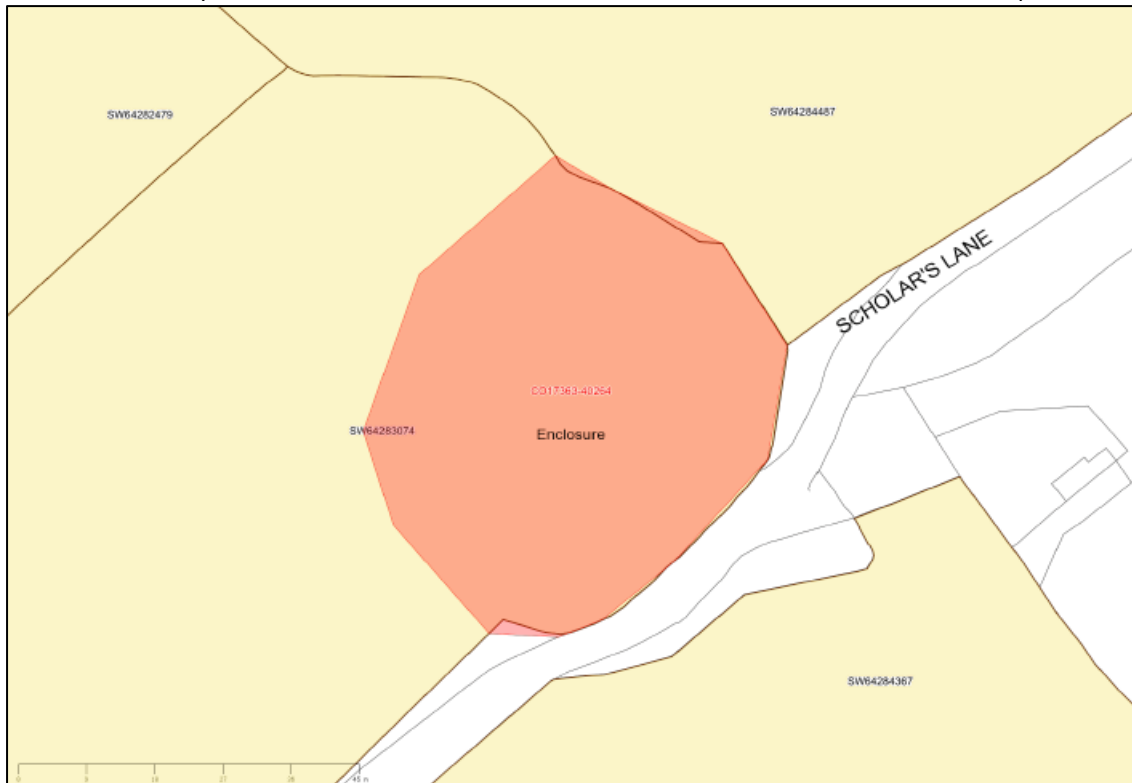
None of HEFERS in the study stated the management of the ten scheduled monuments was essential. It was therefore not possible to test the effectiveness of the 'essential' advice column.

The one registered historic park and garden in the study's HEFERS was in a holding that, by March 2020, had not yet appeared in the CS management areas dataset.

Figure 1: Small HMAA auto-created by software within the SHINE website around the edge of a scheduled monument. The scheduled monument is coloured purple; the auto-created HMAA shows as narrow slivers and a triangle. Nearby SHINE records are shown in red. Taken from a 2015 HEFER, used courtesy of Historic England and ALGAO.



Figure 2: A thin sliver on the edge of a SHINE record that just touches land parcel SW64284487. The SHINE record is shown in red; land parcels in the HEFER holding are yellow. Taken from a 2018 HEFER, used courtesy of Cornwall County Council and ALGAO. Thin slivers like this have their own entries in HEFER spreadsheets.



4.3. Interviews with agreement holders, agents and advisers

Seventy individuals and organisations were invited to take part in telephone interviews. Thirty-one people agreed to be involved (44%), four declined, 34 did not respond and one felt the interview was not relevant to their current role (Table 17). It is perhaps worth noting that the National Farmers Union, Game and Wildlife Conservation Trust and National Trust were among the organisations that did not respond.

Of those interviewed, 12 were CS agents, five CS agreement holders and 14 were NE or the Forestry Commission employees (ten and 4 respectively). They were geographically well spread, with at least one person from each ALGAO region involved. Six worked across multiple ALGAO regions; one participant worked in eight ALGAO regions.

Table 17: Interview participants, broken down by ALGAO region

Type of participant	Declined	No response	Not relevant to current role	Yes	Grand Total	Percentage of those contacted interviewed
Countryside Stewardship agent		11		12	23	52
East		2		3	5	
East Midlands		1		2	3	
Multiple		2		3	5	
North East				1	1	
North West		3			3	
South East		1		1	2	
South West		1		1	2	
West Midlands		1			1	
Yorkshire				1	1	
Countryside Stewardship agreement holder	4	13		5	22	23
East	1	2		2	5	
East Midlands		2		2	4	
North East	1	2			3	
North West		1			1	
South East		2		1	3	
South West	1	3			4	
West Midlands	1				1	
Yorkshire		1			1	
Natural England/Forestry Commission Adviser		10	1	14	25	56
East		4		1	5	
East Midlands				1	1	
Multiple				3	3	
North East		1			1	
North West		1	1	3	5	

Type of participant	Declined	No response	Not relevant to current role	Yes	Grand Total	Percentage of those contacted interviewed
South East				1	1	
South West		1		1	2	
West Midlands		1		1	2	
Yorkshire				3	3	
Not known		2			2	
Grand Total	4	34	1	31	70	44

When compared to the number of active CS agreements, the number of agreement holders interviewed is very low (0.03%). The same can probably said of the number of CS agents, although the collective experience of the agents interviewed is very high (about 186 years' and over 1700 agri-environment agreements). The ten NE advisers interviewed have over 140 years of experience working on over 1300 agri-environment agreements (Appendix 8). Around 9% of Woodland Officers listed on the Forestry Commission website took part (Forestry Commission not dated).

Notes were taken during each interview, to record each participant's responses to set questions and any other heritage or CS issues they wanted to discuss. These have been written up in two ways. Some questions asked participants for direct answers to allow quantification. These are presented in Appendix 8, with yes, no and other standard terms used to best describe the responses given. Other questions were much more open, to allow participants the opportunity to express their views in whatever way they wanted to. These are presented in note form, question by question, in Appendix 9. Summaries of the responses to the key questions are given below.

The responses given to the interview questions are very much personal opinions. As a result, there were some very divergent views – in some case different people gave polar opposite answers to the same question. Despite this, some common views were apparent, both across and within the participant groups.

Agreement holders: Did the HEFER influence how you put your application together?

Agents: Do HEFERs influence how you put applications together?

NE/FE: Do you think HEFERs influence the way applications are put together?

Nineteen participants (61%; Table 18) felt HEFERs influence how applications are put together. Another three thought they sometimes have an influence (10%). Three said they rarely have an influence (10%), with four saying they have no influence at all (13%). Two said they had not received HEFERs, most probably because of the type of agreements they have been involved with: one is a woodland agreement holder, the other a woodland agent.

The participants that said HEFERs influence CS agreements gave varying reasons for this, some of which were positive, some of which were negative (Appendix 9). One explained that they describe the historic features present on a holding, while others talked of using them to choose options. One said they help agreements meet

CS's multi-objectives; another explained they always show HEFERS to applicants. One strongly stated they could not do their job without HEFERS. The more negative views included how HEFERS can be seen as risk or constraints maps (which they are not designed to be), how they can place obstruct applicants, how they can be difficult to understand and how they are often misunderstood. Some respondents said other factors influence agreements too.

Table 18: Responses to the question 'Do HEFERS influence how CS applications are put together?'

Participants by type and ALGAO region	No	Rarely	Sometimes	Yes	No HEFER/s received	Grand Total
Countryside Stewardship agent		2	3	6	1	12
East			1	2		3
East Midlands		1	1			2
Multiple				2	1	3
North East		1				1
South East				1		1
South West			1			1
Yorkshire				1		1
Countryside Stewardship agreement holder	1			3	1	5
East	1			1		2
East Midlands				1	1	2
South East				1		1
Natural England/Forestry Commission Adviser	3	1		10		14
East				1		1
East Midlands				1		1
Multiple				3		3
North West		1		2		3
South East				1		1
South West	1					1
West Midlands				1		1
Yorkshire	2			1		3
Grand Total	4	3	3	19	2	31
Percentage	13%	10%	10%	61%	6%	

Those who felt HEFERS rarely influence CS agreements gave reasons for this. Two said they only have an influence when there is a scheduled monument on a holding. One explained they put agreements together without using HEFERS, only using HEFERS later to check the eligibility criteria for options.

Reasons were also given when interviewees said they feel HEFERS do not influence CS agreements. One said land managers already know about their historic features. Another uses all the historic and archaeological datasets held by their local ALGAO member instead of HEFERS. HEFERS not being received at the right time, the low level of payments offered by CS, only being able to use a HEFER when the 'essential' box has been selected, and historic environment options not being

available for heritage assets located in land parcels registered as woodland were also mentioned.

The interviewee who said HEFERs can only be used when the ‘essential’ box has been ticked has misinterpreted the provision of this column in the HEFER tables, assuming incorrectly that it applies to SHINE records and all designated heritage assets. This is not the case - it can only be populated by Historic England staff when the management of designated heritage assets must be included in a CS agreement; it cannot be used by Historic England in other circumstances nor by ALGAO staff for SHINE records (RPA *et al.* 2020, 10-11). This suggests there is a need to provide training and perhaps further guidance for HEFER end-users.

As well as raising the fact that CS historic options cannot be applied to land parcels registered as woodland, one interviewee highlighted the limited number of options overall available for woodland parcels. The CS Higher Tier manual suggests applicants can choose from around thirty, including Woodland Improvement (WD2), woodland infrastructure (FY2) and capital items (DEFRA 2020, 142-145).

Agreement holders: Did you use the advice given in the HEFER to choose CS options?

Agents: Do you use the advice given in HEFERs to choose CS options?

NE/FE: Do you and applicants use the advice in HEFERs to choose CS options?

Twelve interviewees (39%; Table 19) said they use the advice given in HEFERs to choose CS options, with another five (16%) explaining they sometimes use it in this way. Nine (29%) stated they never use the advice to choose options, with another three (10%) saying they rarely use the advice. The same two as before said they had not received HEFERs.

The participants that use HEFER advice to choose options offered their reasons for doing so (Appendix 9). One explained the advice helps identify historic environment priorities. A second said they are useful in negotiations with agreement holders. In some cases positivity was tempered with a degree of caution. Interviewees mentioned the advice and importance of SHINE features in HEFERs are not clear; one said people do not understand HEFERs. Three stated that although they use HEFERs to choose options, applicants are passive in the decision-making process.

Table 19: Responses to the question ‘Do you or applicants use the advice given in HEFERs to choose CS options?’

Participants by type and ALGAO region	No	Rarely	Sometimes	Yes	No HEFER/s received	Grand Total
Countryside Stewardship agent	3	3	3	2	1	12
East	1		1	1		3
East Midlands	1	1				2
Multiple	1		1		1	3
North East		1				1
South East			1			1
South West		1				1

Participants by type and ALGAO region	No	Rarely	Sometimes	Yes	No HEFER/s received	Grand Total
Yorkshire				1		1
Countryside Stewardship agreement holder	2		1	1	1	5
East	1			1		2
East Midlands	1				1	2
South East			1			1
Natural England/Forestry Commission Adviser	4		1	9		14
East				1		1
East Midlands				1		1
Multiple				3		3
North West	1			2		3
South East			1			1
South West	1					1
West Midlands				1		1
Yorkshire	2			1		3
Grand Total	9	3	5	12	2	31
Percentage	29%	10%	16%	39%	6%	

Those that said HEFER advice does not influence option choice also gave reasons. One respondent saw HEFERs mainly as advisory. Another mentioned HEFER advice only applies if a scheduled monument is present. Two others said agreements can only include historic features in woodland when the 'essential' box has been ticked; one said this is due to staff capacity, the other mentioned scheme guidance. At present it is not clear if this second comment is a misinterpretation of how the 'essential' box should be viewed by end-users or the result of internal RPA, Forestry Commission or DEFRA guidance, but it will mean some heritage assets are not being considered for management; it may also suggest end-user training would be of benefit. A third stated agreements can only include historic features in woodland when they are flagged in a woodland management plan. Three explained they are very experienced in agri-environment and know which options are suitable for SHINE features without having to refer to HEFERs. One felt strongly the options suggested in HEFERs are not wide ranging enough to be useful, with some options vital for managing the historic environment missing (AB8 – Flower rich margins and plots was the example given). Two mentioned the historic environment is often an after-thought; one of these explained biodiversity is their top priority (based on CS literature and scoring processes).

Agreement holders: Did you use SHINE features to choose CS options?

Agents: Do you use SHINE features to choose CS options?

NE/FE: Do you and applicants use SHINE features to choose CS options?

Seventeen interviewees (55%; Table 20) confirmed they use SHINE records to choose CS options, with another three (10%) stating they sometimes use them. Six (19%) said they do not use SHINE records to choose options, with another two (6%) saying they rarely use them. One agreement holder said he left studying the HEFER to his agent. As before two mentioned they had not received HEFERs.

Table 20: Responses to the question ‘Do you or applicants use SHINE records to choose CS options?’

Participants by type and ALGAO region	Agent dealt with HEFER	No	No HEFER/s received	Rarely	Some-times	Yes	Grand Total
Countryside Stewardship agent			1	2	1	8	12
East					1	2	3
East Midlands				1		1	2
Multiple			1			2	3
North East				1			1
South East						1	1
South West						1	1
Yorkshire						1	1
Countryside Stewardship agreement holder	1	2	1			1	5
East	1	1					2
East Midlands		1	1				2
South East						1	1
Natural England/Forestry Commission Adviser		4			2	8	14
East						1	1
East Midlands						1	1
Multiple					1	2	3
North West		1				2	3
South East					1		1
South West		1					1
West Midlands						1	1
Yorkshire		2				1	3
Grand Total	1	6	2	2	3	17	31
Percentage	3%	19%	6%	6%	10%	55%	

One of those that said SHINE records influence the choice of options described them as are their first point of contact with a holding’s archaeology, another described SHINE as ‘a good hook, can use it as a tool to get applicants engaged’. One explained they facilitate securing certain options and provide support for non-historic environment options. Three NE advisers mentioned they access the SHINE dataset through NE’s internal GIS system (although one questioned how up to date this is).

Again notes of cautions were raised. One participant described how large polygons do not provide detailed information, so they have to refer to their local HER online to get the information they need, A second noted they are aware of the SHINE criteria and that these mean not all known historic features are eligible to be SHINE records and therefore some known heritage features are not included in HEFERs. Those who said SHINE records can sometimes have an influence noted how the level of impact varies, dependent on when a HEFER arrives, the importance and location of SHINE records, and the existing management of land.

Woodland Officers feature among those who feel SHINE records do not influence option choices, on the grounds there are no historic environment options to choose and there is no obligation to manage SHINE features in Woodland Higher Tier agreements. Another interviewee stated very little can be done in CS with SHINE sites.

Agreement holders, agents and FE/NE: Are HEFERs easy to use?

Twelve participants (39%; Table 21) said they find HEFERs easy to use, with another five (16%) saying they are reasonably easy to use. Eleven (35%) made it clear they are not easy to use.

Table 21: Responses to the question 'Are HEFERs easy to use?'

Participants by type and ALGAO region	Agent dealt with HEFER	No	No HEFER/s received	Reasonably	Yes	Grand Total
Countryside Stewardship agent		6	1	1	4	12
East		2			1	3
East Midlands		2				2
Multiple		1	1	1		3
North East					1	1
South East					1	1
South West		1				1
Yorkshire					1	1
Countryside Stewardship agreement holder	1		1	1	2	5
East	1			1		2
East Midlands			1		1	2
South East					1	1
Natural England/Forestry Commission Adviser		5		3	6	14
East		1				1
East Midlands					1	1
Multiple		2			1	3
North West		1		1	1	3
South East					1	1
South West		1				1
West Midlands					1	1
Yorkshire				2	1	3
Grand Total	1	11	2	5	12	31
Percentage	3%	35%	6%	16%	39%	

The 11 interviewees who said HEFERs are not easy to use used broad range of terms to describe them, including: clunky, hard work, intimidating, complicated, gobbledegook, poor accessibility. Two said they include too many documents; another said they do not contain enough information. Six said applicants struggle to use them. One feels you can not tell how important it is to follow the advice given,

another called the codes given to management advice confusing. One noted they are particularly difficult to use when holdings are large.

The participants who find HEFERs easy or reasonably easy to use provided several provisos. Three said they are difficult to understand at first – one used the phrase ‘mind boggling’, another noted people will not necessarily put in or have the time needed to fully understand them. Two said there are too many documents. Three flagged problems caused when HEFERs for large holdings have large numbers of heritage asset parcel entries. One raised concern about the specialist language used, giving univallate/bivallate hillforts, debitage and Upper Palaeolithic as examples of inaccessible words they have seen used. This highlights the need for ALGAO members to understand the knowledge base of HEFER end-users and associated refresher training for ALGAO members.

Agreement holders, agents and FE/NE: Are HEFER maps clear?

Fifteen respondents (48%; Table 22) felt the HEFER maps are clear, with another five (16%) saying they are reasonably clear. Eight (26%) believed them not clear.

The views of the participants on the HEFER maps range from one extreme to another. One said ‘they’re great, good quality, show features well’ whereas another considered them ‘absolutely appalling’. Despite the range of views some common issues were raised by those that responded positively and negatively. Six raised issues with the scales used, three described cross-referencing the maps with the tables as difficult (one said SHINE record and HMAA labels are too small), three highlighted difficulties using multiple maps for large holdings, several said CS applicants find them easy to use. One raised concern about small slivers on the edge of SHINE records creeping into adjacent parcels. Encouragingly four noted the improvements made to HEFER maps in recent years.

Table 22: Responses to the question ‘Are HEFERs maps clear?’

Participants by type and ALGAO region	Agent dealt with HEFER	No	No HEFER/s received	Reasonably	Yes	Grand Total
Countryside Stewardship agent		3	1	3	5	12
East		1		1	1	3
East Midlands		1		1		2
Multiple			1	1	1	3
North East					1	1
South East					1	1
South West		1				1
Yorkshire					1	1
Countryside Stewardship agreement holder	1		1		3	5
East	1				1	2
East Midlands			1		1	2
South East					1	1
Natural England/Forestry		5		2	7	14

Participants by type and ALGAO region	Agent dealt with HEFER	No	No HEFER/s received	Reasonably	Yes	Grand Total
Commission Adviser						
East					1	1
East Midlands					1	1
Multiple		2			1	3
North West		1		1	1	3
South East					1	1
South West		1				1
West Midlands					1	1
Yorkshire		1		1	1	3
Grand Total	1	8	2	5	15	31
Percentage	3%	26%	6%	16%	48%	

Agreement holders, agents and FE/NE: Is the advice in HEFERs clear?

Twelve participants (39%; Table 23) said the advice in HEFERs is clear. Another three (10%) stated it is reasonably clear, with four (13%) saying it is sometimes clear. Nine (29%) suggested it is not clear.

Table 23: Responses to the question 'is the advice in HEFERs clear?'

Participants by type and ALGAO region	Agent dealt with HEFER	No	No HEFER/s received	Reasonably	Some-times	Yes	Grand Total
Countryside Stewardship agent		3	1	1	1	6	12
East						3	3
East Midlands		1				1	2
Multiple		1	1		1		3
North East						1	1
South East				1			1
South West		1					1
Yorkshire						1	1
Countryside Stewardship agreement holder	1		1	1	1	1	5
East	1				1		2
East Midlands			1			1	2
South East				1			1
Natural England/Forestry Commission Adviser		6		1	2	5	14
East		1					1
East Midlands						1	1
Multiple		2				1	3
North West		2				1	3
South East					1		1
South West					1		1

Participants by type and ALGAO region	Agent dealt with HEFER	No	No HEFER/s received	Reasonably	Some-times	Yes	Grand Total
West Midlands				1			1
Yorkshire		1				2	3
Grand Total	1	9	2	3	4	12	31
Percentages	3%	29%	6%	10%	13%	39%	

The participants offered a wide range of views, from the advice being good to complicated, not very friendly and regurgitated. Again, despite the diverging views, many shared similar ideas. Two said the advice can be tricky to use the first time, another that it is difficult for applicants to use, two more that advice on large holdings can be overwhelming. Six suggested the management codes are confusing; two of these highlighted the huge size of the management code key table, which they said includes many codes that are not directly relevant to their HEFERs. Interestingly four other participants suggested the codes are useful, one noting they ensure consistency between HEFERs and reduce the use of jargon.

Two interviewees noted HEFER advice can show a clear understanding of SHINE sites. In some cases, though, it was said advice can be generic which is be tricky, not useful and off-putting. Two highlighted poor-quality advice – in both cases little information and advice was given, but instead the HEFERs suggested further discussions or a management plan. One raised problems with SHINE record names and polygons that do not give enough information; they gave ‘Prehistoric field system’ as a name that is not helpful and their need to know where historic features are within large SHINE sites. Four highlighted the importance of being able to discuss advice with ALGAO members and Historic England staff.

Agents: Have you seen variations in the quality of advice across counties?

The nine agents that work in more than one ALGAO/HER area were asked if they had seen any variations in the advice provided. Five said they had not seen variations, four said they had.

Two of the four who have experienced variations suggested National Park Authorities can provide more information, advice and time than other ALGAO members. Another noted differences between ALGAO members approaches – they suggested one they work with has lots of large arbitrary SHINE records while another has far fewer SHINE records in general. The fourth noted they get good advice and support from some ALGAO member but not from others. They said in one area they will not set up projects on scheduled monuments due to lack of help from Historic England.

Agreement holders, agents and FE/NE: What do you like about HEFERs?

The interviewees gave varied responses to this question (Appendix 9). Some were readily able to offer ideas, but others struggled. Key points raised by more than one participant include:

- SHINE and HEFERs are comprehensive.

- HEFERs indicate what historic features are present on a holding.
- HEFERs are a good starting point.
- HEFER maps are good.
- Specialist advice is really useful.
- HEFERs integrate advice given by ALGAO members and Historic England.
- HEFERs encourage engagement with the historic environment.

Agreement holders, agents and FE/NE: How could HEFERs be improved?

Interview participants offered a huge number of ideas for improving HEFERs (Appendix 9). Key suggestions made include:

Improving access to the SHINE dataset and HEFERs

- The SHINE dataset could be made more widely available, perhaps to approved users of the SHINE website, on the Magic website, through RPA online and/or within the Forestry Commission GIS package. Many end-users are familiar with online interactive GIS packages.
- The SHINE dataset and HEFERs could be made available earlier in the application process. Some holdings start work on agreements 18 months to 2 years in advance but, at the moment, HEFERs can only be requested a maximum of five/six months ahead of applications being submitted.
- The use of SHINE data and HEFERs could be extended to include Woodland Management Plans and Woodland Creation applications.
- Consider regularly updating SHINE data, not just when HEFERs are produced.

Improving HEFERs

- HEFERs could be simplified, providing only the key information applicants, agents and advisers need: what is the SHINE site, where is it, how important is it, how does it need to be managed.
- The number of documents that make up a HEFER could be reduced.
- The scales at which HEFER maps are presented could be improved.
- HEFERs could include glossaries of the archaeological and historical terms used (tailored to each HEFER).
- The list of option recommendations could be revisited to include a wider range of suitable options.
- Options recommendations could be presented on HEFER maps.
- ALGAO members could be encouraged to provide additional information: historic maps, aerial photograph/cropmark plots etc.
- Contact details for authors of HEFERs should be given.
- End-users could be provided with training on how to use SHINE records and HEFERs.

Improving SHINE records

- SHINE records should be created to the agreed national Service Standard and guidance (RPA *et al.* 2020; ALGAO *et al.* 2018), including how they are named, how SHINE polygons are drawn, how significance is assigned and when more than one SHINE record is created for a single historic feature.

- SHINE records should be mapped more precisely. Revisiting the SHINE polygon standards may help with this.
- Encourage ALGAO members to include links to online HER records in SHINE records.
- Additional information could be provided on the priority of SHINE records. Suggestions made include colour coding SHINE records by priority on HEFER maps, adding symbols for that show range of priorities in the HEFER advice tables and ranking holding priorities using numbers (rather than high, medium and low as at present).
- The essential box could be extended to SHINE records.

Future agri-environment schemes

- Consider an overhaul of SHINE, with the aim of creating a more widely usable standard national dataset, with future agri-environment schemes in mind. Some of the assumptions made when SHINE was created are no longer relevant (perhaps including the SHINE criteria and polygon standards).

Agreement holders, agents and FE/NE: Any other comments?

Interviewees were willing to raise many diverse additional comments (Appendix 9). Some were positive, while others were concerns. A concern raised during NE's HEDS network conference call of 25 February 2020 are also included in Appendix 9.

Key comments made include:

HEFERs

- HEFERs need to be provided as early as possible in the application process.
- It is vital for agents, advisers and agreement holders to have direct links with ALGAO members and Historic England. The current HEFER process – which involves online requests made by RPA staff - discourages liaison between all parties.
- ALGAO members opting out of creating SHINE records and producing HEFERs undermines the effectiveness of HEFERs, in their areas and beyond.
- It is important ALGAO and Historic England staff producing HEFERs understand how land managers think.

SHINE records

- ALGAO and Historic England could consider sharing SHINE data more widely. It was designed for use by NE advisers only.
- ALGAO and Historic England could consider looking for funding for SHINE beyond agri-environment.
- SHINE records have been created for historic environment features that do not meet the SHINE criteria (a Post Office, for example).
- Some SHINE polygons cover whole parcels despite surviving features being in much more restricted locations.
- There appears to be some inconsistency in how different ALGAO members assign priority scores to similar SHINE records.

- It is not possible to highlight historic environment potential within SHINE records. Only historic environment features that are known to exist can become SHINE records.
- Could ALGAO and Historic England offer training to agents and agreement holders?

Concerns about CS scheme

- The scheme does not currently promote the inclusion of the historic environment.
- Scheme rules and option prescriptions mean SHINE records can block capital works that would support the positive management of archaeological and historic features. Fencing was an example raised by seven (23% of) participants – fencing land removed from cultivation or parkland can be vital to secure sustainable management. The RPA does not have in-house archaeologists who can help remove such blockers; agents and applicants must instead contact ALGAO members and/or Historic England for support. Can a system be devised that automatically remove blockers where and when appropriate?
- The PA1/PA2 process does not allow enough time to prepare implementation plans and feasibility studies. Historic features are missing out on positive management as a result.
- Historic environment option payment rates are low. They do not truly reflect income foregone or reward public benefit. As a result, they are discouraging option uptake.
- Historic environment prescriptions are too onerous and are discouraging option uptake.
- Why should restoration receive higher payments than ongoing long-term positive management?
- Public goods for public benefit can include access (such as permissive paths) and interpretation.
- Applicants and agreement holders are worried about inspections, meaning they are reluctant to enter into complicated management schemes on historic and archaeological sites.
- Some Mid Tier agreements are supporting works that are in breach of scheme rules and legislation (felling licences are not being secured, for example).
- The lack of formal feedback on agreement uptake is discouraging ALGAO members from engaging in the SHINE and HEFER process.

4.4. Case studies

Seven case studies are presented below, arranged in alphabetical order.

Askham and Houghton Common, Lake District National Park

Higher Tier agreement due to start 1 January 2020

Askham and Houghton Common contains a considerable number of historic environment features, including 21 scheduled monuments and around 50 SHINE records (Figures 3 and 4). In 2019 the common's managers decided to apply for a Higher Tier agreement and the Lake District National Park Authority and Historic England were asked to produce a HEFER. This was issued on 8 April 2020,

containing 112 different heritage asset parcel entries, seven feature maps and 73 feature management maps.

Figure 3: Ring Cairn on Askham Fell (scheduled monument 1007359). Used courtesy of and © Lake District National Park authority



Figure 4: Earthworks of medieval farmstead (longhouse) and enclosures on Heughscar Hill, Askham Fell (SHINE record LD274). Used courtesy of and © Lake District National Park authority



Given the large number of SHINE records and considerable amount of advice contained in the HEFER, the NE case officer contacted the Lake District National Park Authority's archaeologists for further input. The adviser and an archaeologist were able to meet on the common to discuss grazing, fencing and other proposed capital works. Discussions during the meeting and follow-up correspondence ensured the CS application included sensitive management and appropriate capital works.

Ballidon Moor Farm, Peak District National Park

Historic Building Restoration pilot project

by Suzanne Fowkes

The barn at Ballidon Moor Farm is a Grade II listed building (listed as part of a group). It due to be restored under a CS Traditional Farm Building Restoration pilot project. It currently has a corrugated sheet roof which will be replaced by Staffordshire Blue tile. The gable end is structurally unsound and will therefore be taken down and rebuilt. Doors and windows are to be replaced. The adjoining barn was restored some time ago under the original Countryside Stewardship Scheme and has records of species of bat.

Figure 5: Ballidon Moor Farm barn. Used courtesy of Alun Bull © Historic England



Cannock Chase, Staffordshire

Agreement references 514840 and 646789, two-year Feasibility Studies, both starting 2018, Higher Tier application.

by Suzy Blake

Given the size of this Staffordshire County Council holding and the extent of archaeological remains across Cannock Chase the SHINE data covers large swathes of the holding area. Although we produced a standard HEFER response in

April 2018, since then we have worked very closely with NE and our natural environment colleagues to identify the most appropriate management on an area-by-area/case-by-case situation.

Often management is driven by proposed ecological works, for example heather cutting, bare ground scrape creation and tree felling. We have identified areas suitable/unsuitable for such works.

As part of the Higher Tier application a woodland management plan was produced for Brocton Coppice (which is an oak coppice with several hundred veteran oak trees plus areas of more recently (last 100 years) established oaks). This identified areas for felling and works to the veteran oaks. To assess the plan we undertook two pieces of work, one looking at the works to veteran oaks, checking if any were situated on or near archaeological remains; we produced a map showing the oaks, the location of archaeological features and a spreadsheet with comments on the proposed works and the archaeology for our tree contractor to refer to. Secondly in relation to proposed felling we carried out a site walkover to look at self-seeded/vulnerable trees situated on archaeological features and identified those which might need felling. We also provide written evidence where we disagreed with wholesale felling of 'memorial plantations'.

We also did some work looking at areas for heather cutting towards the end 2019. This work was to be undertaken for the first time by our Countryside team (rather than specialist contractors) and so the view was taken that in this instance we would simply provide maps showing the location of archaeological features and areas where it was safe to cut with machinery away from any archaeological features, also providing some general advice about access routes, dumping and burning of brash. We also produced some similar maps for bare ground scrapes.

As part of the previous HLS agreement we provided similar maps showing areas for targeted scrub removal. We also commissioned some archaeological walkover survey work for specific areas.

High Ash Farm, Caistor St Edmund, Norfolk

Agreement reference 601268, five-year Mid Tier agreement, start date 1 January 2017

Early in 2016 Norfolk County Council Historic Environment Service (NCCHEs) was informally approached by an agent representing High Ash Farm, Caistor St Edmund. Having worked on the farm's HLS application he was keen to ensure the historic environment was fully considered in the early stages of developing a CS application. He asked if it would be possible for NCCHEs to check the farm's SHINE data and highlight any updates that might be made in a HEFER request. NCCHEs agreed and in April 2016 provided a bespoke map showing SHINE records, likely SHINE record revisions and two scheduled monuments.

The agent and farm used the information provided by NCCHEs to inform discussions with NE about a possible Higher Tier application. Despite the presence of two scheduled monuments, high priority SHINE records and biodiversity interest, NE decided a Mid Tier application would be the most appropriate.

The HEFER for the Mid Tier application was requested on 3 August 2016 and issued by Historic England and NCCHEs on 2 September 2016. The SHINE record updates suggested in April 2016 were included. Historic England's input identified the management of one of the scheduled monuments, a Roman temple (National Heritage List 1003163), as an essential element of the proposed Mid Tier agreement. It also highlighted its excellent condition under grass.

As the scheduled Roman temple had been removed from cultivation and a grass established during a previous agreement, it was not possible for the farm to apply for Mid Tier arable reversion option (HS2). They looked at the grassland options available to them but soon realised these would not be financially viable, so reluctantly explored the possibility of returning the scheduled monument to cultivation. Their agent then contacted Historic England and NCCHEs's Norfolk Monuments Management Project (NMMP) to discuss other possible approaches, including fencing and converting the land to equestrian use. To keep it in excellent condition under grass it was agreed the only possible approach was to exclude the field containing the scheduled monument from the Mid Tier application and install horse fencing under (and funded by) a NMMP Section 17 management agreement, supported by grant aid from Historic England (Figure 6).

Figure 6: Roman temple under grass (scheduled monument 1003954), supported by Norfolk Monuments Management Project Section 17 agreement for horse fencing © David Robertson/Norfolk County Council



Inkersall Investments, Peak District National Park

Agreement reference 474984, five-year Mid Tier agreement, start date 1 January 2018

A HEFER was produced for Inkersall Investments land in the Peak District in 2017. This highlighted a high priority 18th and 19th-century lead rake site with a counting house at Little Pasture Mine (SHINE record PD62; Figure 7). When the Mid Tier agreement was signed it did not include options to manage this SHINE record.

On 12 February 2018, after the Mid Tier agreement had been set up, the site became a scheduled monument (National Heritage List 1412778; Historic England 2020). The site's owners and the Peak District National Park only found out about the scheduling after the counting house had been included in the historic building pilot project. It has been the subject of an implementation plan and feasibility study (PA1/PA2), with restoration work due to start soon.

Figure 7: Lead rake and counting house at Little Pasture Mine (National Heritage List 1412778). Used courtesy of and © Suzanne Fowkes



Nene Park Trust, Peterborough

Agreement reference 350214, five-year Mid Tier agreement, start date 1 January 2017

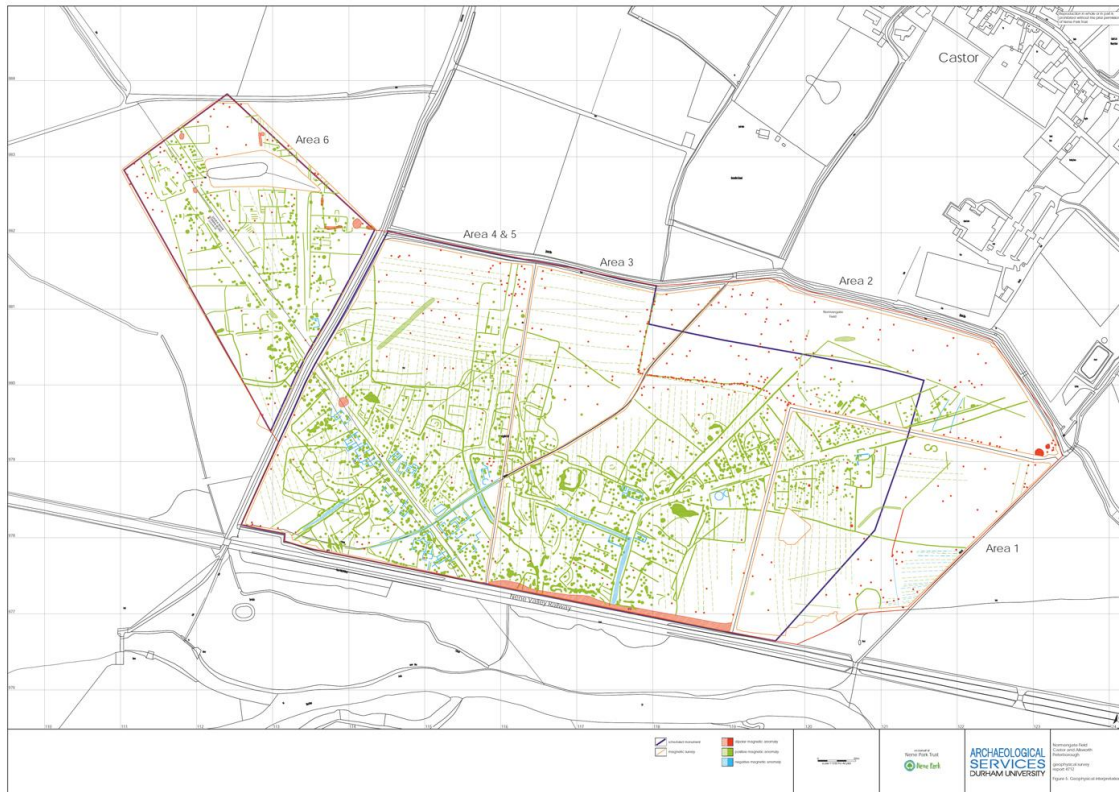
by Chris Park

Nene Park is approximately 682ha of accessible green space to the west of Peterborough. At the heart of Nene Park is the 230ha Ferry Meadows Country Park that attracts over 1.5 million visits per year. To the west of the Country Park is the 243ha rural estate that the Trust owns. This is made up of 109.69ha of arable farmland and 133.89ha of pasture. This rural estate has been managed for over 30 years through a combination of farming tenancies or grazing licences, with some agreements existing before establishment of the Trust in 1998.

There are five Scheduled Monuments across the Nene Park rural estate totalling 77.96ha. At 40ha the largest is Normangate Field which spans the Roman Ermine Street (scheduled monument 1006864). It has long been recognised as a Roman site; in 1822, Edmund Artis excavated pottery kilns here suggesting industrial use. In 2019 Durham University undertook a geophysical survey funded by Historic England. This survey revealed the true size of the site and showed a complex layout of

streets, lanes, work buildings and yards (Figure 8). These Roman industrial suburbs, comprised of pottery kilns and metal working, would have supplied the nearby Roman walled town of Durobrivae 1km away south of the river Nene as well as passing trade along both road and river.

Figure 8: Interpretation of geophysical survey of Normangate Field, Castor (scheduled monument 1006864), survey funded by and image used with permission of Historic England © Archaeological Services Durham University



For more than 30 years Normangate fields have been managed by a succession of tenants growing a variety of arable crops including root crops such as potatoes and sugar beet. The nature of the long term farm tenancies meant the Trust had little or no influence in how the tenants farmed the land and in reality could only advise tenants of the presence of archaeology and inform them of Historic England’s recommendations on how to manage these sites and to pass on any concerns they had to the tenant.

The introduction of the new CS in 2015 with the HS2 option ‘Take historic and archaeological features out of cultivation’ provided the incentive needed to encourage the tenants involved to make the necessary changes to their land management. One tenant, on seeing the extent and importance of the site, took the decision to release 33ha back to the Trust. With help from land agents Brown & Co. and Historic England’s support the Trust entered a total of 76.77ha into a stewardship agreement in early 2017. To help preserve the site from further damaging cultivation, 38ha of arable land at Normangate was converted to grassland and is now grazed by livestock. The arable part of the scheduled monument is now restricted to minimum till management. The Trust is currently looking into using this area as part of a share farming scheme. This will enable us to work in partnership with a tenant to help ensure the long-term stewardship of this important heritage site.

by Sarah Poppy

The Mid Tier agreement at Normangate Field has enabled a high priority scheduled monument, which has been at long-term risk from arable cultivation and illegal metal detecting, to be taken out of cultivation. It is now in beneficial management through grazing, thereby protecting nationally important archaeological remains for current and future generations. The site also benefits from public access and ongoing community and research interest, thereby contributing to public goods.

Tom Kemp Farms, Home Farm East Bilney, Norfolk
2020 Mid Tier application

On 1 August 2018 Tom Kemp Farms entered an HLS agreement (agreement reference AG00293232; Natural England not dated). The HLS HER consultation had highlighted three Roman settlement sites known from artefacts recovered from the ploughsoil. The condition of the artefacts at two of these sites suggested they were actively being disturbed by cultivation, so NCCHEs recommended they should be removed from cultivation (Robertson 2009). Tom Kemp Farms, their agents and NE decided this approach worked for both the farm and funding to support this was included in the agreement.

In March 2020 a HEFER was requested for Tom Kemp Farms' forthcoming CS Mid Tier application. The holding does not contain a scheduled monument, a registered historic park or garden nor a registered battlefield, so a HEFER was automatically generated by the SHINE website. This meant NCCHEs was not given the chance to create SHINE records for the two sites taken out of cultivation under HLS and, as a result, they did not appear in the HEFER. The farm's agent believes this is a missed opportunity and that the fact some Mid Tier applications do not need HEFERs 'encourages farmers to revert grassland back to arable, so they can access higher paying options again'.

Summary of case studies

Five of the case studies show how historic environment features have directly benefited from CS. SHINE features and scheduled monuments are or will be positively managed as a result of the Askham and Houghton Common, Cannock Chase, Inkersall Investments and Nene Park Trust agreements. Two historic buildings are going to be restored as part of the historic building restoration pilot project (amongst many others). Two of the case studies show the real importance of partnership working and post-HEFER communication – without liaison between ALGEO members, agreement holders and NE it would not have been possible to deliver suitable agreements.

Two of the case studies, however, are not so positive. One highlights a flaw in the current HEFER process, in which an ALGEO member was not given the opportunity to create SHINE records for heritage assets that had been positively managed under HLS. The other shows the current level of CS option payments can have a significant impact, including putting a scheduled monument at risk of cultivation.

5. Discussion

The 'HEFERs and SHINE data – Outcomes for the Historic Environment' project has assessed the effectiveness, impact and outcomes of SHINE data and HEFERs in four different ways. These have highlighted how good quality historic environment advice has resulted in positive, tangible impacts, while identifying important issues that need further consideration.

Positive impact

Between 2016 and 2019 37,995 HEFERs were produced. ALGAO members charged for producing 12,471 of these (33%), at a total cost of £2,313,168 (with an average of cost of £60.88 per HEFER or £185.48 per chargeable HEFER). In March 2020 these translated into 20,010 CS agreements and 5987 historic environment options. By March 2020 £30,587,591 had been invested in CS historic environment options. This represents an investment in England's historic environment of £12.68 for every £1 spent on HEFERs between 2016 and 2019.

The interviews suggest HEFERs have an important impact, with 81% of 31 participants believing HEFERs influence how CS applications and agreements are put together (again a small sample but a very experienced one). Some indicated they bring together valued information and advice from a number of specialist sources; one described them as 'A good hook... to get applicants engaged'. 55% stated they believe SHINE records are used to choose CS options, while 39% felt the advice given in HEFERs is used for the same reason. 39% believe the HEFERs are easy to use and the advice in them is clear; 48% suggested the HEFER maps are clear.

The study of 14 HEFERs and seven case studies give specific examples of the direct, positive and tangible benefits that CS can have. Archaeological earthworks are being grazed and protected from disturbance, below ground archaeological remains are being protected from cultivation and historic buildings are being repaired and restored. In many cases non-historic environment options are being used to protect heritage assets. Two cases demonstrate the importance of direct contact between applicants, agents, advisers and historic environment professionals, as did some of the interviews.

Important issues

It is noticeable far more HEFERs have been produced than CS agreements set up. This mostly reflects non-historic environment issues, such as speculative requests for CS application packs, uncertainty about the future of agri-environment related to Britain's exit from the European Union, delays in the issuing of agreements, and some sectors of the farmer community viewing CS as a complex scheme (see interview 9, Appendix 9). However, some of the interviews suggested SHINE records and the historic environment requirements of CS have influenced some landowners' decisions not to apply for CS.

Although it has been possible to calculate the minimum number of SHINE records covered by CS options, it has not been possible to accurately calculate the exact number. This is because CS options are currently recorded in NE's options dataset as point data, rather than polygon data. Polygon data would be needed to secure

accurate figures. The decision to use point data means all quantitative assessments of the impact of CS on the historic environment will underplay (potentially significantly) the true picture.

Important numbers of interviewees reported not using the advice in HEFERs or SHINE records to choose CS options (29% and 19% respectively). In some cases this is because they are experienced in working with the historic environment but in others it relates the time at which HEFERs are received and difficulties in using HEFERs. 35% of interviewees said HEFERs are not easy to use – they were described as hard work and intimidating, for example. 26% felt HEFER maps are not clear and 29% stated the advice was not clear. Given these percentages it is interesting to note only 3% of the advice in the 14 HEFERs assessed was ignored. The instances where this happened included the placing of ineligible options on SHINE records (AB13 – Brassica fodder crop).

The interviewees identified issues with SHINE records, HEFERs and the CS scheme itself. These include SHINE records not being publicly accessible, SHINE records and HEFERs not being available early enough, HEFERs being inaccessible and difficult to use, SHINE records and HEFERs that do not meet national standards and guidance, SHINE records acting as blockers to appropriate options (such as fencing), it not being possible to apply historic environment options to heritage assets in land parcels registered as woodland, and historic environment options paying comparatively poorly. One of these issues was identified in the Caistor St Edmund case study (the level of option payments); another case study highlighted opportunities missed following the 2019 decision that Mid Tier applications should only have HEFERs when holdings contain scheduled monuments, registered historic parks and gardens and registered battlefields. It is likely all these issues have reduced the effectiveness of SHINE records and HEFERs in delivering positive benefits for the historic environment.

Interviewees suggested many ways in which SHINE data and HEFERs can be improved. If the positive impact of CS and future agri-environment schemes is to be increased, it is important that these suggestions are seriously considered by ALGAO, Historic England, DEFRA, the RPA, NE and the Forestry Commission.

‘Good quality historic environment advice results in tangible positive outcomes from the historic environment’

Prior to the project commencing it was assumed SHINE records and HEFERs provide high quality historic environment advice. The project has shown this assumption to be true in some ways: for example, 49% of interviewees stated the HEFER maps are clear, 39% said HEFER advice is clear, 39% felt the HEFERs maps are easy to use and some highlighted the value of knowing and having good relationships with historic environment professionals. However, beyond these measures it proved difficult to judge the quality of historic environment advice being provided to CS applicants, their agents and Natural England and Forestry Commission staff. Only two questions in the questionnaires directly asked for views on the quality of advice, while the NE datasets used do not contain data that allows a quality assessment to be made. As a result, it has become clear that further research is needed before a full assessment of the quality of advice can be made. This could

include assessing the advice given in specific HEFERs against land-use maps, aerial and satellite images and (through interviews with agreement holders) farming practices on selected SHINE records. It could also include interviews with ALGAO members (something that was beyond the scope of this project).

The important issues identified during the project suggest, whatever the quality of advice being provided, improvements can be made. In the short-term additional training for ALGAO members and end-users, improved HEFER quality control and making improvements to the way HEFERs are presented would all be of benefit.

The project's main focus was to explore the tangible outcomes resulting from the historic environment advice provided by SHINE records and HEFERs. It was able to successfully identify and measure outcomes in a number of ways, including:

- CS options applied: 5987 historic environment options across 2764 agreements.
- Financial: £30,587,591 invested in the historic environment by March 2020, which equates to £12.68 of investment for every £1 spent on HEFERs.
- Site specific: seven historic environment case studies and options applied to 39% of the heritage asset land parcels in the 14 HEFERs studied.

Towards the end of the project additional ways in which the datasets used by the project could be analysed to identify outcomes were identified. These include:

- Expanding the assessment of HEFER numbers and costs to 2015, if these relevant spreadsheets can be tracked down by ALGAO and/or Historic England.
- Exploring measure 2 using a sample of CS application GIS datasets, provided by ALGAO members who routinely retain them.
- Assessing how many of the non-historic environment options applied to SHINE records could be damaging and/or not permitted on SHINE records.
- Reworking the heritage asset land parcel dataset extracted from 14 HEFERs so it treats each individual SHINE and designated heritage assets record as one entry. This would require a methodology that allows multiple land parcel entries to be combined under one SHINE record while allowing multiple options to be assigned to each SHINE record.

In addition to this work, it would be possible to update the assessment of measures 1, 3-7 and 9 using data for all 2019 CS applications (agreements with 1 January 2020 start dates) once this becomes available. It would also be possible to update the assessment in future years.

During the project it became apparent that it might be possible to assess outcomes in ways that had not been foreseen during the development of the project by ALGAO, Historic England and Archaeology East Anglia. For example, with further research it might be possible to:

- identify the condition of specific SHINE sites and how this has changed since the relevant CS agreement was set-up.
- Identify where additional benefits have been secured, such as public access and interpretation (on-site and/or online).

This additional research would use NE datasets, SHINE data, HEFERs and interviews but would probably also need to incorporate site visits and information held in HERs.

6. Recommendations

The four approaches to assessing the impact of HEFERs and SHINE have highlighted ways in which the SHINE dataset, HEFERs and agri-environment schemes could be changed to increase their effectiveness. These are presented below as recommendations for ALGAO, Historic England, DEFRA, the RPA, NE and the Forestry Commission to consider. Over the last few years discussions between ALGAO, Historic England and Natural England have suggested it might be possible to deliver some relatively easy changes in the next few years to improve the historic environment delivery through CS. However, all parties acknowledge significant developments that require major changes to scheme design or large financial investment will have to wait until the development of the forthcoming ELM scheme.

Recommendations for the current CS scheme

Recommendations for increasing the use of SHINE and HEFERs

R1. ALGAO, Historic England, the RPA, DEFRA, the Forestry Commission and other partners could explore the possibility of making the SHINE dataset more widely available, perhaps to approved users of the SHINE website, on the Magic website, through RPA online and/or within the Forestry Commission's GIS package. This would mean that it would be available at the time when it is needed most by end-users and reduce the difficulties some people have with the scale of HEFER maps. However, before the SHINE dataset could be made more widely available, all ALGAO members participating in SHINE would need to agree such a move and, as the SHINE dataset mostly covers holdings that have applied for agri-environment schemes since 2009 (not the whole of England) a significant SHINE enhancement project would be needed. This enhancement project could focus on areas that have not been subject to agri-environment scheme applications since 2009, holdings with expiring HLS agreements, forestry land and/or areas that have not been eligible for agri-environment schemes in the past (peri-urban areas, for example).

R2. ALGAO, Historic England and the Forestry Commission could explore the possibility of extending the use of SHINE data and HEFERs to Woodland Management Plans and Woodland Creation applications. Woodland features are currently under-represented in the SHINE dataset so this would also require a significant SHINE enhancement project.

R3. DEFRA, the RPA, the Forestry Commission, Historic England and ALGAO could explore the possibility of extending the use of historic environment options to land parcels registered as woodland, thereby increasing the positive impact of CS, SHINE data and HEFERs on the historic environment.

Recommendations for improving SHINE records

R4. ALGAO, Historic England and partners should revisit the SHINE polygon standards, to see if any amendments can be made that would allow historic environment features to be mapped more precisely and reduce the amount of heritage assets that are grouped into large SHINE records.

*R5. ALGAO, Historic England and partners could offer refresher training to ALGAO members and Historic England staff, to ensure SHINE records are created in accordance with the existing national Service Standard and guidance (RPA *et al.* 2020; ALGAO *et al.* 2018). This could include webinars, sessions at ALGAO Countryside Committee meetings, one-to-one training sessions and an independent audit/quality control of existing SHINE records.*

R6. ALGAO could encourage its members to include links to directly relevant online HER records in each and every SHINE record (such as specific heritage asset records on individual HER websites, Heritage Gateway and/or Pastscape). Some ALGAO members do this but not all.

R7. ALGAO and Historic England could consider providing ALGAO members with guidance on how to assign priority scores, to ensure national consistency.

R8. ALGAO and Historic England could investigate ways to bring the ALGAO members who have opted out of SHINE and HEFER process into the fold. These ALGAO members may be willing to reconsider their positions but, if not, other options could be explored (such as neighbouring ALGAO members or consultants being employed to carry out priority SHINE enhancement work).

Recommendations for improving HEFERs

R9. ALGAO, Historic England and partners could explore the options for simplifying HEFERs, to improve the end-user experience and increase their impact on historic environment delivery. Interviews identified the key information required by end-users as: what is the SHINE site, where is it, how important is it, and how does it need to be managed. Suggestions made during the interviews include reducing the number of documents, reducing the size of advice tables (perhaps by dropping unpopulated columns and tables) and reducing the size of the management recommendations table (so it only includes codes used in the advice tables, not all of them). The assessment of 14 HEFERs suggests that encouraging ALGAO members to check SHINE features do not cross parcel boundaries unnecessarily and improving the SHINE website software that creates HMAA slivers on the edge of SHINE records would reduce the number of heritage asset parcel entries in HEFERs and therefore reduce end-user confusion.

R10. ALGAO, Historic England and partners could explore ways of providing more directly relevant information in HEFERs. Suggestions offered during the interviews include revisiting the list of option recommendations so it includes a wider range of suitable options (AB8 in an interview, for example), encouraging ALGAO members to provide additional information (such as historic maps and aerial

photograph/cropmark plots) and requiring authors of HEFERs to provide their contact details.

R11. ALGAO, Historic England and partners could explore ways of providing more information on the HEFER maps. This could include colour coding SHINE features by national priority.

R12. ALGAO, Historic England, the RPA and partners could explore ways in which HEFERs can include advice that would reduce the need for consultation on fencing proposals. One possibility might be to provide new management advice tick boxes that allow ALGAO members to say when they would and would not be willing to support fencing on a SHINE site. Proposals to install fencing on scheduled monuments will still have to go through the Scheduled Monument Consent process (under the Ancient Monuments and Archaeological Areas Act 1979).

R13. ALGAO, Historic England and partners should explore the possibility of providing end-users with training on how to use SHINE records and HEFERs. This could be in the form of inspirational videos on the frontpage of the SHINE website that espouse the benefits of pro-actively managing the historic environment, webinars and/or involvement in training events run by partners.

Recommendations for future agri-environment schemes

*R14. ALGAO, Historic England, DEFRA, the RPA and partners should consider an overhaul of SHINE, with the aim of creating an updated accessible standard national dataset that can be used in agri-environment schemes and more widely. One possibility might be to make it a two-tiered dataset, with one tier covering heritage assets that can be managed under agri-environment schemes and a second tier that focuses on areas with high archaeological potential that could be damaged by agriculture, forestry and/or nature conservation. Forestry England's East England District is currently developing a similar dataset (David Robertson *pers. comm.*)*

R15. DEFRA, the RPA and partners could consider mapping agri-environment options as polygons, to allow more accurate evaluation of the impact of agri-environment schemes than is currently possible with point data. This would be of benefit to all objectives, not just the historic environment.

R16. DEFRA, the RPA and partners could explore the possibilities for increasing historic environment options payments, so they truly reflect the public goods managing heritage assets provides.

R17. ALGAO, Historic England and partners could consider different ways of describing historic environment importance and priorities. For example, holding priorities could be ranked 1, 2, 3, etc, rather than high, medium and low as at present. The results of the Lake District National Park Authority's ELM pilot project are likely to be directly relevant; this project is currently assessing the application of the National Capital Accounting approach to SHINE records in the Lake District (Historic England & Lake District National Park Authority 2019).

7. Conclusion

The Project Outline proposed one main project output (this analysis report) and seven subsidiary outputs. Table 24 demonstrates how all these outputs have been achieved and, in many cases, exceeded.

Table 24: Project outputs

Outputs	Work undertaken	Output achieved
Analysis report	c.80,000-word report	Yes
Analysis of existing CS data	Seven analysis questions answered	Yes
Analysis of at least 10 HEFERS and CS agreements	14 HEFERS assessed	Exceeded
Analysis of at least three case studies	Seven case studies presented and analysed	Exceeded
Analysis of the outcomes and value of HEFERS for the historic environment (at least 15 interviews)	31 interviews	Exceeded
Analysis of the hypothesis 'good quality historic environment advice results in tangible positive outcomes for the historic environment'	Discussion section of the analysis report	Yes
Recommendations for improvements to SHINE data and HEFERS	17 recommendations made	Yes

8. Dissemination

A presentation on the project's aims, methodology and early findings was given at the ALGAO Countryside Committee's annual CPD event held in Birmingham on 5 February 2020. This presentation was repeated during NE's HEDS conference call on 25 February 2020.

ALGAO and Historic England will circulate copies of this report to partner organisations.

A copy of this report will be made available through the ALGAO Countryside Committee's webpage (www.algao.org.uk/subject/countryside). All interviewees will be emailed a link so they have an opportunity to download it.

ALGAO, Historic England and Archaeology East Anglia will release key facts about the project on social media.

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10. Bibliography

ALGAO, Historic England, Exegesis & Natural England 2018 *SHINE HER Workflow Guidelines: Revised for Countryside Stewardship (2018)*, <https://www.myshinedata.org.uk/documents-downloads> (accessed 22 March 2020).

DEFRA 2020 *Countryside Stewardship: Higher Tier Manual*, version 3, www.gov.uk/rpa/cs (accessed 3 June 2020),

Forestry Commission not dated *Office Access and Opening Times*, <https://www.gov.uk/government/organisations/forestry-commission/about/access-and-opening> (accessed 6 April 2020).

Gov.uk not dated *Countryside Stewardship grants*, <https://www.gov.uk/countryside-stewardship-grants> (accessed 30 March 2020).

Historic England 2020 *Little Pasture Mine*, <https://historicengland.org.uk/listing/the-list/list-entry/1412778> (accessed 7 April 2020).

Historic England & Lake District National Park Authority 2019 Assessing SHINE features in the Lake District NP using the NCA/Cultural Capital process, unpublished project design.

National Archives not dated *Open Government Licence for public sector information*, <http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/> (accessed 30 March 2020).

Natural England not dated *MAGIC*, <https://magic.defra.gov.uk/MagicMap.aspx> (accessed 7 April 2020).

Robertson, D. 2009 Historic Environment Record Consultation Response for: Home Farm, East Bilney, Norfolk, unpublished Norfolk Landscape Archaeology report.

Robertson, D. 2019 HEFERs and SHINE data: Outcomes for the Historic Environment, unpublished Archaeology East Anglia project outline (project 47).

Rural Payments Agency, Natural England, Forestry Commission, ALGAO & Historic England 2020 *Countryside Stewardship: Historic Environment FER (HEFER) Consultation Service Standard v1.11*, <https://www.myshinedata.org.uk/documents-downloads> (accessed 26 March 2020).

Appendix 1: Questionnaires

Questionnaire for Countryside Stewardship agreement holders
(focusing on one holding and its HEFER)

Name:

Holding:

SBI:

Agreement reference:

Local authority/HER areas:

Do you have any of the following on the holding? Arable, Grassland, Woodland, Heath, Moor, Wetland

When did the Countryside Stewardship agreement start?

In which year did you apply for Countryside Stewardship?

Did you apply yourself or use an agent?

Did you receive the HEFER digitally or as a paper copy?

Who did you receive it from?

Did the HEFER influence how you put your application together?

Did you use the advice given in the HEFER to choose CS options?

Did you use SHINE features to choose CS options?

Does the agreement include any historic environment options?

If so, which ones?

If so, do the historic environment options cover – scheduled monuments, listed buildings, registered historic parks and gardens, SHINE sites?

Are historic farm buildings managed under CS?

Have any archaeological sites been taken out of cultivation under CS?

Is reduced depth cultivation on archaeological sites practiced under CS?

Is any scrub on archaeological sites managed under CS?

Are archaeological sites in grassland managed under CS?

Have capital works been carried out on historic environment sites under CS?

Was the HEFER easy to use?

Why do you think this?

Were the HEFER maps clear?

Why do you think this?

Was the advice in the HEFER clear?
Why do you think this?

What did you like about the HEFER?

How could the HEFER be improved?

Any other comments?

Can you suggest any agents or Natural England advisers who might be willing to take part in a similar interview?

Questionnaire for Countryside Stewardship agreement agents

Name:

Organisation:

Local authority/HER areas:

How long have you been working on Countryside Stewardship/agri-environment scheme agreements?

How many agreements have you worked on?

Do you receive HEFERs digitally or as paper copies?

Who do you receive them from?

Do HEFERs influence how you put applications together?

Do you use the advice given in HEFERs to choose CS options?

Do you use SHINE features to choose CS options?

Are HEFERs easy to use?

Why do you think this?

Are HEFER maps clear?

Why do you think this?

Is the advice in HEFERs clear?

Why do you think this?

If you work in a number of counties, have you seen variations in the quality of HEFER advice?

What do you like about HEFERs?

How could HEFERs be improved?

Any other comments?

Can you suggest any agreement holders who might be willing to take part in a similar interview?

Questionnaire for Natural England and Forestry Commission advisers

Name:

Natural England/Forestry Commission team:

Local authority/NHER areas:

How long have you been working on Countryside Stewardship agreements?
How many agreements have you worked on?

Do you receive HEFERS as part of CS applications?

If so, who do you receive them from?

If so, do you read them?

Do you think HEFERS influence the way applications are put together?

Do you and applicants use the advice in HEFERS to choose CS options?

Do you and applicants use SHINE features to choose CS options?

Are HEFERS easy to use?

Why do you think this?

Are HEFER maps clear?

Why do you think this?

Is the advice in HEFERS clear?

Why do you think this?

What do you like about HEFERS?

How could HEFERS be improved?

Any other comments?

Can you suggest any agreement holders who might be willing to take part in a similar interview?

Appendix 2: Countryside Stewardship agreements active on 15 March 2020, broken down by ALGAO member/HER

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
Bath and North East Somerset SMR	4	15	42	20	6	87
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1		1
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)		3	5	1		9
COUNTRYSIDE STEWARDSHIP (Middle Tier)	4	12	31	14	2	63
HEDGEROWS AND BOUNDARIES			3	2	3	8
WOODLAND CREATION GRANT				1		1
WOODLAND MANAGEMENT PLAN			3	1		4
Bedford Borough HER	3	28	20	33	9	93
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)		2	6	1		9
COUNTRYSIDE STEWARDSHIP (Middle Tier)	3	26	14	25	5	73
HEDGEROWS AND BOUNDARIES					2	2
IMPLEMENTATION PLAN				2		2
WOODLAND CREATION GRANT				1		1
WOODLAND MANAGEMENT PLAN				4	1	5
Berkshire Archaeology HER		2	3	11	6	22
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1	1	2
COUNTRYSIDE STEWARDSHIP (Higher Tier)		1		1	1	3
COUNTRYSIDE STEWARDSHIP (Middle Tier)		1	2	5		8
HEDGEROWS AND BOUNDARIES				1	1	2
TREE HEALTH RESTORATION				1	1	2
WOODLAND MANAGEMENT PLAN			1	2	2	5
Birmingham HER				2		2
COUNTRYSIDE STEWARDSHIP (Middle Tier)				2		2
Bristol City Council HER			3			3
COUNTRYSIDE STEWARDSHIP (Higher Tier)			1			1
COUNTRYSIDE STEWARDSHIP (Middle Tier)			2			2
Buckinghamshire HER	9	43	76	85	25	238
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1		1
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP (Higher Tier)	5	9	13	8	5	40

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
COUNTRYSIDE STEWARDSHIP (Middle Tier)	4	34	58	64	8	168
HEDGEROWS AND BOUNDARIES			2	1		3
TREE HEALTH RESTORATION				1	3	4
WOODLAND CREATION GRANT			1	3		4
WOODLAND MANAGEMENT PLAN			2	7	6	15
Cambridgeshire HER	28	99	115	94	20	356
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				9		9
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	2	12	14	7	2	37
COUNTRYSIDE STEWARDSHIP (Middle Tier)	25	87	90	66	14	282
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION			1	1		2
HEDGEROWS AND BOUNDARIES	1		2	1	1	5
WOODLAND CREATION GRANT			2	4		6
WOODLAND MANAGEMENT PLAN			6	6	2	14
Central Bedfordshire HER	4	23	32	31	13	103
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP (Higher Tier)	1	4	5	7	2	19
COUNTRYSIDE STEWARDSHIP (Middle Tier)	2	19	27	16	4	68
HEDGEROWS AND BOUNDARIES				1	1	2
IMPLEMENTATION PLAN				1		1
TREE HEALTH RESTORATION					1	1
WOODLAND CREATION GRANT	1			1		2
WOODLAND MANAGEMENT PLAN				5	3	8
Cheshire HER	19	61	103	104	24	311
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1	2	3
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					5	5
COUNTRYSIDE STEWARDSHIP (Higher Tier)	3	1	6	1	1	12
COUNTRYSIDE STEWARDSHIP (Middle Tier)	15	59	90	83	8	255
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION			1	2	1	4
HEDGEROWS AND BOUNDARIES			5	12	4	21
IMPLEMENTATION PLAN				1		1
WOODLAND CREATION GRANT	1		1	4	1	7
WOODLAND MANAGEMENT PLAN		1			2	3
Chichester District HER	4	19	31	39	11	104
COUNTRYSIDE STEWARDSHIP (Higher Tier)	2	13	11	14	3	43
COUNTRYSIDE STEWARDSHIP (Middle Tier)	2	6	13	16	2	39
HEDGEROWS AND BOUNDARIES			2			2

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
WOODLAND CREATION GRANT				3		3
WOODLAND MANAGEMENT PLAN			5	6	6	17
City of York HER	1	7	11	10	1	30
COUNTRYSIDE STEWARDSHIP (Higher Tier)		1	3			4
COUNTRYSIDE STEWARDSHIP (Middle Tier)	1	6	7	9		23
WOODLAND CREATION GRANT				1	1	2
WOODLAND MANAGEMENT PLAN			1			1
Colchester HER	6	10	13	6	4	39
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				2		2
COUNTRYSIDE STEWARDSHIP (Higher Tier)	1	2	3	1		7
COUNTRYSIDE STEWARDSHIP (Middle Tier)	4	8	9	3	2	26
HEDGEROWS AND BOUNDARIES	1					1
TREE HEALTH RESTORATION					1	1
WOODLAND MANAGEMENT PLAN			1		1	2
Cornwall and Scilly HER	68	120	315	309	76	888
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				2	1	3
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	3	5	19	18	7	52
COUNTRYSIDE STEWARDSHIP (Middle Tier)	64	112	258	253	32	719
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION		1				1
HEDGEROWS AND BOUNDARIES			26	25	20	71
IMPLEMENTATION PLAN		2				2
TREE HEALTH IMPROVEMENT			2		1	3
TREE HEALTH RESTORATION				1	6	7
WOODLAND CREATION GRANT	1		5	5	2	13
WOODLAND MANAGEMENT PLAN			5	5	6	16
Coventry HER				1		1
COUNTRYSIDE STEWARDSHIP (Middle Tier)				1		1
Cumbria HER	34	82	379	412	228	1135
COUNTRYSIDE STEWARDSHIP (Higher Tier)	5	20	41	30	9	105
COUNTRYSIDE STEWARDSHIP (Middle Tier)	26	60	201	226	48	561
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION		1	2	3	1	7
HEDGEROWS AND BOUNDARIES	2		118	123	153	396
IMPLEMENTATION PLAN		1		12	6	19
TREE HEALTH RESTORATION				1	1	2
WOODLAND CREATION GRANT	1		6	7	1	15
WOODLAND MANAGEMENT PLAN			11	10	9	30
Dartmoor National Park HER	5	16	61	123	43	248

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	1	3	9	5	1	19
COUNTRYSIDE STEWARDSHIP (Middle Tier)	3	13	24	31	5	76
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				17	11	28
HEDGEROWS AND BOUNDARIES	1		24	44	20	89
IMPLEMENTATION PLAN				20		20
TREE HEALTH RESTORATION				3	3	6
WOODLAND MANAGEMENT PLAN			4	3	2	9
Derbyshire HER	19	48	145	177	119	508
COUNTRYSIDE STEWARDSHIP - UPLAND OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	2	8	24	14	8	56
COUNTRYSIDE STEWARDSHIP (Middle Tier)	11	40	63	64	4	182
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				8	5	13
HEDGEROWS AND BOUNDARIES	4		53	74	92	223
IMPLEMENTATION PLAN	1			8		9
TREE HEALTH RESTORATION			1			1
WOODLAND CREATION GRANT	1		3	2	2	8
WOODLAND MANAGEMENT PLAN			1	7	7	15
Devon HER	71	261	704	736	280	2052
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP (Higher Tier)	10	18	40	38	11	117
COUNTRYSIDE STEWARDSHIP (Middle Tier)	60	240	526	517	98	1441
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				2		2
HEDGEROWS AND BOUNDARIES			97	108	107	312
IMPLEMENTATION PLAN		3	1	7	4	15
TREE HEALTH IMPROVEMENT			4	3	2	9
TREE HEALTH RESTORATION			4	11	8	23
WOODLAND CREATION GRANT	1		12	23	10	46
WOODLAND MANAGEMENT PLAN			20	27	37	84
Dorset HER	25	82	203	158	40	508
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1		1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	4	9	38	36	10	97
COUNTRYSIDE STEWARDSHIP (Middle Tier)	20	72	134	94	16	336
HEDGEROWS AND BOUNDARIES	1		16	14	4	35
IMPLEMENTATION PLAN				1		1
TREE HEALTH RESTORATION				1	1	2

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
WOODLAND CREATION GRANT		1	3	4	1	9
WOODLAND MANAGEMENT PLAN			12	7	8	27
Dudley HER	1		1	1	1	4
COUNTRYSIDE STEWARDSHIP (Higher Tier)			1			1
COUNTRYSIDE STEWARDSHIP (Middle Tier)	1			1		2
WOODLAND MANAGEMENT PLAN					1	1
Durham HER	17	31	124	163	93	428
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				4	1	5
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP - UPLAND OFFER (Middle Tier)					3	3
COUNTRYSIDE STEWARDSHIP (Higher Tier)	5	11	14	21	2	53
COUNTRYSIDE STEWARDSHIP (Middle Tier)	8	19	41	40	9	117
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION		1		1		2
HEDGEROWS AND BOUNDARIES	2		62	71	69	204
IMPLEMENTATION PLAN			1	12	2	15
WOODLAND CREATION GRANT	2		3	8		13
WOODLAND MANAGEMENT PLAN			3	6	6	15
East Sussex HER	35	80	94	107	50	366
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP (Higher Tier)	20	37	26	35	17	135
COUNTRYSIDE STEWARDSHIP (Middle Tier)	15	43	46	49	7	160
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				1		1
HEDGEROWS AND BOUNDARIES			1	1	2	4
TREE HEALTH RESTORATION				4		4
WOODLAND CREATION GRANT			1	1		2
WOODLAND MANAGEMENT PLAN			20	16	22	58
Essex HER	21	89	99	86	22	317
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				16	5	21
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	6	16	18	14	2	56
COUNTRYSIDE STEWARDSHIP (Middle Tier)	15	73	74	48	9	219
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION			1		1	2
HEDGEROWS AND BOUNDARIES				3		3
IMPLEMENTATION PLAN			1		1	2
WOODLAND CREATION GRANT				1		1
WOODLAND MANAGEMENT PLAN			5	4	3	12

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
Exmoor National Park HER	3	4	43	120	38	208
COUNTRYSIDE STEWARDSHIP - UPLAND OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)		2	12	9		23
COUNTRYSIDE STEWARDSHIP (Middle Tier)	3	2	14	71	3	93
HEDGEROWS AND BOUNDARIES			13	35	30	78
TREE HEALTH IMPROVEMENT			2	1	1	4
TREE HEALTH RESTORATION			2	1		3
WOODLAND CREATION GRANT					1	1
WOODLAND MANAGEMENT PLAN				3	2	5
Gloucestershire HER (including City of Gloucester)	32	84	164	172	56	508
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					3	3
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	3	19	33	19	7	81
COUNTRYSIDE STEWARDSHIP (Middle Tier)	26	65	91	112	16	310
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION					1	1
HEDGEROWS AND BOUNDARIES	2		9	11	7	29
IMPLEMENTATION PLAN				1		1
TREE HEALTH RESTORATION			14	11	1	26
WOODLAND CREATION GRANT	1		6	3	3	13
WOODLAND MANAGEMENT PLAN			11	15	17	43
Greater London HER	1	5	10	22	5	43
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1		1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	1	1	3	5		10
COUNTRYSIDE STEWARDSHIP (Middle Tier)		4	5	9	2	20
TREE HEALTH IMPROVEMENT			1			1
WOODLAND MANAGEMENT PLAN			1	7	3	11
Greater Manchester HER	3	12	12	18	11	56
COUNTRYSIDE STEWARDSHIP - UPLAND OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)		1		1	2	4
COUNTRYSIDE STEWARDSHIP (Middle Tier)	2	11	9	15		37
HEDGEROWS AND BOUNDARIES			2	2	7	11
WOODLAND CREATION GRANT	1		1		1	3
Hampshire Archaeology and Historic Buildings Record	12	50	88	137	36	323
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				4	1	5
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					2	2

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
COUNTRYSIDE STEWARDSHIP (Higher Tier)	6	23	34	31	8	102
COUNTRYSIDE STEWARDSHIP (Middle Tier)	5	25	43	71	6	150
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION					1	1
HEDGEROWS AND BOUNDARIES			5	4	3	12
IMPLEMENTATION PLAN					1	1
TREE HEALTH RESTORATION			2	10	2	14
WOODLAND CREATION GRANT	1		1	4		6
WOODLAND MANAGEMENT PLAN		2	3	13	11	29
Herefordshire HER	26	85	247	311	66	735
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				5		5
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					3	3
COUNTRYSIDE STEWARDSHIP (Higher Tier)	4	3	28	19	3	57
COUNTRYSIDE STEWARDSHIP (Middle Tier)	15	82	195	258	30	580
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION			1	1		2
HEDGEROWS AND BOUNDARIES	5		12	11	8	36
TREE HEALTH RESTORATION			1	3	6	10
WOODLAND CREATION GRANT	2		3	2	2	9
WOODLAND MANAGEMENT PLAN			7	12	14	33
Hertfordshire HER	9	39	64	73	17	202
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1		1
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	1	6	10	9	3	29
COUNTRYSIDE STEWARDSHIP (Middle Tier)	8	33	47	51	8	147
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				1		1
HEDGEROWS AND BOUNDARIES			2			2
IMPLEMENTATION PLAN				2		2
TREE HEALTH RESTORATION			1			1
WOODLAND CREATION GRANT				1		1
WOODLAND MANAGEMENT PLAN			4	8	5	17
Humber HER	17	36	70	76	22	221
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				8	1	9
COUNTRYSIDE STEWARDSHIP (Higher Tier)		5	14	8	1	28
COUNTRYSIDE STEWARDSHIP (Middle Tier)	17	30	49	39	9	144
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				1		1
HEDGEROWS AND BOUNDARIES				7	4	11
TREE HEALTH RESTORATION				1		1

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
WOODLAND CREATION GRANT		1	1	6	4	12
WOODLAND MANAGEMENT PLAN			6	6	3	15
Isle of Wight HER	1	13	16	15	1	46
COUNTRYSIDE STEWARDSHIP (Higher Tier)		6	7	4		17
COUNTRYSIDE STEWARDSHIP (Middle Tier)	1	7	6	8	1	23
HEDGEROWS AND BOUNDARIES				1		1
WOODLAND MANAGEMENT PLAN			3	2		5
Kent HER	35	67	106	108	46	362
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				2	1	3
COUNTRYSIDE STEWARDSHIP (Higher Tier)	21	39	46	45	19	170
COUNTRYSIDE STEWARDSHIP (Middle Tier)	14	27	34	34	3	112
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION					1	1
HEDGEROWS AND BOUNDARIES			4	1	2	7
TREE HEALTH RESTORATION				1	1	2
WOODLAND CREATION GRANT			4	2	1	7
WOODLAND MANAGEMENT PLAN		1	18	23	18	60
Lake District HER	9	27	115	183	92	426
COUNTRYSIDE STEWARDSHIP (Higher Tier)	5	13	28	31	7	84
COUNTRYSIDE STEWARDSHIP (Middle Tier)	4	14	55	74	14	161
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION			1	13	9	23
HEDGEROWS AND BOUNDARIES			23	30	46	99
IMPLEMENTATION PLAN				15	2	17
TREE HEALTH IMPROVEMENT					1	1
TREE HEALTH RESTORATION				1	3	4
WOODLAND CREATION GRANT			3	4		7
WOODLAND MANAGEMENT PLAN			5	15	10	30
Lancashire HER	6	58	202	248	110	624
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP - UPLAND OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	1	2	21	16	4	44
COUNTRYSIDE STEWARDSHIP (Middle Tier)	4	56	161	169	42	432
HEDGEROWS AND BOUNDARIES			12	44	47	103
IMPLEMENTATION PLAN				1		1
TREE HEALTH IMPROVEMENT			2	3	3	8
TREE HEALTH RESTORATION			2	3	2	7
WOODLAND CREATION GRANT	1		3	7	1	12
WOODLAND MANAGEMENT PLAN			1	5	8	14
Leicestershire and Rutland HER	26	59	117	96	48	346
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER				2	2	4

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
(Middle Tier)						
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP (Higher Tier)	3	4	10	3	4	24
COUNTRYSIDE STEWARDSHIP (Middle Tier)	21	55	73	65	8	222
HEDGEROWS AND BOUNDARIES	1		28	19	23	71
TREE HEALTH RESTORATION				1	2	3
WOODLAND CREATION GRANT	1		2	2	1	6
WOODLAND MANAGEMENT PLAN			4	4	6	14
Lincoln Heritage Database		1	1	1		3
COUNTRYSIDE STEWARDSHIP (Middle Tier)		1	1			2
WOODLAND MANAGEMENT PLAN				1		1
Lincolnshire HER	20	119	167	120	45	471
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				16	9	25
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	2	11	12	6	4	35
COUNTRYSIDE STEWARDSHIP (Middle Tier)	18	107	137	77	10	349
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION			1			1
HEDGEROWS AND BOUNDARIES			3	5	6	14
TREE HEALTH RESTORATION			4	3	6	13
WOODLAND CREATION GRANT			2	4	1	7
WOODLAND MANAGEMENT PLAN		1	8	9	7	25
Merseyside HER		4	11	5		20
COUNTRYSIDE STEWARDSHIP (Higher Tier)		1		1		2
COUNTRYSIDE STEWARDSHIP (Middle Tier)		3	10	3		16
WOODLAND CREATION GRANT			1			1
WOODLAND MANAGEMENT PLAN				1		1
Middlesbrough HER				2	1	3
COUNTRYSIDE STEWARDSHIP (Middle Tier)				2		2
WOODLAND MANAGEMENT PLAN					1	1
Milton Keynes HER	1	8	24	10	4	47
COUNTRYSIDE STEWARDSHIP (Higher Tier)	1	2	1	2		6
COUNTRYSIDE STEWARDSHIP (Middle Tier)		6	19	8	3	36
HEDGEROWS AND BOUNDARIES			2		1	3
WOODLAND MANAGEMENT PLAN			2			2
Norfolk HER	39	131	192	184	44	590
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				13	4	17

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP (Higher Tier)	4	13	37	21	5	80
COUNTRYSIDE STEWARDSHIP (Middle Tier)	34	118	143	119	18	432
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION					2	2
HEDGEROWS AND BOUNDARIES			6	3	3	12
IMPLEMENTATION PLAN				1	1	2
TREE HEALTH RESTORATION			3	9		12
WOODLAND CREATION GRANT	1		1	3	1	6
WOODLAND MANAGEMENT PLAN			2	15	8	25
North East Lincolnshire HER		1	7	3	1	12
COUNTRYSIDE STEWARDSHIP (Higher Tier)		1				1
COUNTRYSIDE STEWARDSHIP (Middle Tier)			4	2		6
TREE HEALTH RESTORATION			2			2
WOODLAND CREATION GRANT				1		1
WOODLAND MANAGEMENT PLAN			1		1	2
North Lincolnshire HER	4	15	36	25	7	87
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				2		2
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	1	2	7	5		15
COUNTRYSIDE STEWARDSHIP (Middle Tier)	2	13	21	11	2	49
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				1		1
HEDGEROWS AND BOUNDARIES			3	3	2	8
WOODLAND CREATION GRANT	1			1		2
WOODLAND MANAGEMENT PLAN			5	2	2	9
North Somerset HER	5	7	24	28	4	68
COUNTRYSIDE STEWARDSHIP (Higher Tier)	1	2	2	4		9
COUNTRYSIDE STEWARDSHIP (Middle Tier)	4	5	18	16	1	44
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION			1			1
HEDGEROWS AND BOUNDARIES			2	5		7
IMPLEMENTATION PLAN				2		2
WOODLAND CREATION GRANT				1		1
WOODLAND MANAGEMENT PLAN			1		3	4
North York Moors National Park HER	15	30	53	66	18	182
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	6	6	11	4	5	32
COUNTRYSIDE STEWARDSHIP (Middle Tier)	9	24	37	42	1	113
FEASIBILITY STUDY AND HISTORIC BUILDING			2	3	1	6

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
RESTORATION						
HEDGEROWS AND BOUNDARIES			1	9	7	17
IMPLEMENTATION PLAN				1		1
WOODLAND CREATION GRANT			1	2		3
WOODLAND MANAGEMENT PLAN			1	5	3	9
North Yorkshire HER	53	166	363	362	185	1129
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				4	1	5
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					3	3
COUNTRYSIDE STEWARDSHIP - UPLAND OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP (Higher Tier)	5	22	41	18	16	102
COUNTRYSIDE STEWARDSHIP (Middle Tier)	41	143	246	229	54	713
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION		1	1	5	4	11
HEDGEROWS AND BOUNDARIES	2		53	83	87	225
IMPLEMENTATION PLAN			1	1		2
TREE HEALTH RESTORATION			1			1
WOODLAND CREATION GRANT	5		7	12	4	28
WOODLAND MANAGEMENT PLAN			13	10	14	37
Northamptonshire HER	19	86	142	165	46	458
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				3		3
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP (Higher Tier)	2	12	17	9	6	46
COUNTRYSIDE STEWARDSHIP (Middle Tier)	14	73	108	120	9	324
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				2	2	4
HEDGEROWS AND BOUNDARIES	2		11	16	13	42
IMPLEMENTATION PLAN			1			1
TREE HEALTH RESTORATION			2	6	3	11
WOODLAND CREATION GRANT	1		1	5	3	10
WOODLAND MANAGEMENT PLAN		1	2	4	7	14
Northumberland HER	38	101	336	283	136	894
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1		1
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	14	18	86	51	13	182
COUNTRYSIDE STEWARDSHIP (Middle Tier)	20	79	164	117	26	406
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				15	20	35

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
HEDGEROWS AND BOUNDARIES	1		38	41	46	126
IMPLEMENTATION PLAN		3	13	35	11	62
WOODLAND CREATION GRANT	3	1	20	13	7	44
WOODLAND MANAGEMENT PLAN			15	10	12	37
Nottingham City HER				2		2
COUNTRYSIDE STEWARDSHIP (Higher Tier)				1		1
COUNTRYSIDE STEWARDSHIP (Middle Tier)				1		1
Nottinghamshire HER	14	35	65	42	26	182
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				2	2	4
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP (Higher Tier)		7	6	7	1	21
COUNTRYSIDE STEWARDSHIP (Middle Tier)	13	27	46	23	2	111
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				1		1
HEDGEROWS AND BOUNDARIES	1		8	3	9	21
TREE HEALTH RESTORATION			1	1	1	3
WOODLAND CREATION GRANT			1	3	2	6
WOODLAND MANAGEMENT PLAN		1	3	2	6	12
Oxford City				2		2
COUNTRYSIDE STEWARDSHIP (Middle Tier)				2		2
Oxfordshire HER	24	77	128	144	56	429
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				5	2	7
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					5	5
COUNTRYSIDE STEWARDSHIP (Higher Tier)	4	21	23	19	4	71
COUNTRYSIDE STEWARDSHIP (Middle Tier)	19	56	84	93	18	270
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION			1	1		2
HEDGEROWS AND BOUNDARIES			4	5	3	12
TREE HEALTH RESTORATION			3	5	11	19
WOODLAND CREATION GRANT	1		8	8	5	22
WOODLAND MANAGEMENT PLAN			5	8	8	21
Peterborough City HER	1	4	6	6	4	21
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1	2	3
COUNTRYSIDE STEWARDSHIP (Higher Tier)			1	1		2
COUNTRYSIDE STEWARDSHIP (Middle Tier)	1	4	5	4		14
WOODLAND MANAGEMENT PLAN					2	2
Plymouth HER			1	2		3

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
COUNTRYSIDE STEWARDSHIP (Middle Tier)			1	2		3
Portsmouth City HER		2				2
COUNTRYSIDE STEWARDSHIP (Higher Tier)		1				1
COUNTRYSIDE STEWARDSHIP (Middle Tier)		1				1
Redcar and Cleveland HER	2	4	7	7		20
COUNTRYSIDE STEWARDSHIP (Higher Tier)				2		2
COUNTRYSIDE STEWARDSHIP (Middle Tier)	2	4	4	4		14
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				1		1
HEDGEROWS AND BOUNDARIES			1			1
WOODLAND MANAGEMENT PLAN			2			2
Shropshire HER	37	120	259	290	82	788
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1		1
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	3	19	18	11	5	56
COUNTRYSIDE STEWARDSHIP (Middle Tier)	29	101	202	241	45	618
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION					1	1
HEDGEROWS AND BOUNDARIES	4		27	24	16	71
TREE HEALTH RESTORATION					1	1
WOODLAND CREATION GRANT	1		6	2	1	10
WOODLAND MANAGEMENT PLAN			6	11	12	29
Solihull HER	1	2	2	1	2	8
COUNTRYSIDE STEWARDSHIP (Higher Tier)			1			1
COUNTRYSIDE STEWARDSHIP (Middle Tier)	1	2	1	1		5
WOODLAND MANAGEMENT PLAN					2	2
Somerset HER	44	134	289	274	77	818
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	3	15	20	20	9	67
COUNTRYSIDE STEWARDSHIP (Middle Tier)	37	118	226	198	46	625
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				1		1
HEDGEROWS AND BOUNDARIES	1		29	32	10	72
IMPLEMENTATION PLAN					3	3
TREE HEALTH IMPROVEMENT				1		1
TREE HEALTH RESTORATION			3	6	1	10
WOODLAND CREATION GRANT	3	1	1	6	1	12
WOODLAND MANAGEMENT PLAN			10	10	6	26
South Gloucestershire HER	7	15	42	30	4	98
COUNTRYSIDE STEWARDSHIP (Higher Tier)		1	5	2	1	9

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
COUNTRYSIDE STEWARDSHIP (Middle Tier)	7	14	29	27	1	78
HEDGEROWS AND BOUNDARIES			5	1	1	7
TREE HEALTH RESTORATION			2			2
WOODLAND CREATION GRANT			1			1
WOODLAND MANAGEMENT PLAN					1	1
South Yorkshire SMR	7	17	31	37	26	118
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1		1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	2	3	7	6	2	20
COUNTRYSIDE STEWARDSHIP (Middle Tier)	3	14	14	20		51
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				1		1
HEDGEROWS AND BOUNDARIES			7	6	20	33
IMPLEMENTATION PLAN	1			1		2
WOODLAND CREATION GRANT	1					1
WOODLAND MANAGEMENT PLAN			3	2	4	9
Staffordshire HER	26	80	131	130	67	434
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					4	4
COUNTRYSIDE STEWARDSHIP (Higher Tier)	3	9	28	8	1	49
COUNTRYSIDE STEWARDSHIP (Middle Tier)	23	68	86	77	16	270
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION		1	1	9	1	12
HEDGEROWS AND BOUNDARIES			11	27	36	74
IMPLEMENTATION PLAN				2		2
TREE HEALTH RESTORATION					1	1
WOODLAND CREATION GRANT			1	1		2
WOODLAND MANAGEMENT PLAN		2	4	6	8	20
Stoke-on-Trent HER		1	1	2	1	5
COUNTRYSIDE STEWARDSHIP (Middle Tier)		1	1	1	1	4
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				1		1
Suffolk HER	24	117	119	151	48	459
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				17	7	24
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	6	19	16	14	2	57
COUNTRYSIDE STEWARDSHIP (Middle Tier)	17	98	95	98	15	323
HEDGEROWS AND BOUNDARIES	1		1	1	2	5
IMPLEMENTATION PLAN					2	2
TREE HEALTH RESTORATION				2	3	5
WOODLAND CREATION GRANT			2	7	4	13
WOODLAND MANAGEMENT PLAN			5	12	12	29

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
Surrey HER	6	28	45	40	22	141
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP (Higher Tier)	3	12	12	17	2	46
COUNTRYSIDE STEWARDSHIP (Middle Tier)	3	16	25	14	3	61
HEDGEROWS AND BOUNDARIES			1	1		2
TREE HEALTH IMPROVEMENT			1	1		2
TREE HEALTH RESTORATION					1	1
WOODLAND CREATION GRANT			2	2	1	5
WOODLAND MANAGEMENT PLAN			4	5	13	22
Tees Archaeology HER	2	2	7	10	6	27
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1		1
COUNTRYSIDE STEWARDSHIP (Higher Tier)				1		1
COUNTRYSIDE STEWARDSHIP (Middle Tier)	2	2	5	7		16
HEDGEROWS AND BOUNDARIES			1		5	6
WOODLAND CREATION GRANT			1	1	1	3
Tyne and Wear HER	2	7	18	9	5	41
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)			3	3		6
COUNTRYSIDE STEWARDSHIP (Middle Tier)	2	7	14	2	3	28
HEDGEROWS AND BOUNDARIES				2		2
WOODLAND MANAGEMENT PLAN			1	2		3
Warwickshire HER	20	53	68	56	25	222
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP (Higher Tier)		4	11	6	2	23
COUNTRYSIDE STEWARDSHIP (Middle Tier)	18	49	49	44	5	165
HEDGEROWS AND BOUNDARIES	1		3	2	2	8
TREE HEALTH RESTORATION					1	1
WOODLAND CREATION GRANT	1		3	3	3	10
WOODLAND MANAGEMENT PLAN			2	1	8	11
West Berkshire HER	2	15	29	38	15	99
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1	3	4
COUNTRYSIDE STEWARDSHIP - MIXED FARMING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)		6	8	9	2	25
COUNTRYSIDE STEWARDSHIP (Middle Tier)	2	9	16	20	4	51

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
HEDGEROWS AND BOUNDARIES			2			2
TREE HEALTH RESTORATION				4	4	8
WOODLAND CREATION GRANT				2	1	3
WOODLAND MANAGEMENT PLAN			3	2		5
West Sussex HER	10	27	50	44	21	152
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	5	12	18	7	5	47
COUNTRYSIDE STEWARDSHIP (Middle Tier)	5	15	28	24	3	75
HEDGEROWS AND BOUNDARIES					1	1
TREE HEALTH IMPROVEMENT				1	1	2
TREE HEALTH RESTORATION				3	1	4
WOODLAND CREATION GRANT				2		2
WOODLAND MANAGEMENT PLAN			4	7	8	19
West Yorkshire HER	4	18	43	56	44	165
COUNTRYSIDE STEWARDSHIP (Higher Tier)	1	6	4	7	1	19
COUNTRYSIDE STEWARDSHIP (Middle Tier)	3	12	24	24	5	68
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION				1	1	2
HEDGEROWS AND BOUNDARIES			12	21	31	64
TREE HEALTH IMPROVEMENT			1			1
TREE HEALTH RESTORATION			1			1
WOODLAND CREATION GRANT				3	1	4
WOODLAND MANAGEMENT PLAN			1		5	6
Wiltshire and Swindon HER	23	95	236	206	42	602
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	2	10	33	21	5	71
COUNTRYSIDE STEWARDSHIP (Middle Tier)	18	84	187	145	16	450
HEDGEROWS AND BOUNDARIES			2	4	3	9
IMPLEMENTATION PLAN				6		6
TREE HEALTH IMPROVEMENT				1		1
TREE HEALTH RESTORATION			3	15	9	27
WOODLAND CREATION GRANT	3	1	5	4	1	14
WOODLAND MANAGEMENT PLAN			6	10	5	21
Winchester HER	7	20	26	21	11	85
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	4	6	11	10	1	32
COUNTRYSIDE STEWARDSHIP (Middle Tier)	3	13	11	8	1	36

ALGAO member/HER	2015	2016	2017	2018	2019	Grand Total
HEDGEROWS AND BOUNDARIES			1	2		3
WOODLAND MANAGEMENT PLAN		1	3	1	8	13
Wolverhampton and Walsall HER		1	3	1		5
COUNTRYSIDE STEWARDSHIP (Higher Tier)			1			1
COUNTRYSIDE STEWARDSHIP (Middle Tier)		1	2	1		4
Worcester City HER		1				1
COUNTRYSIDE STEWARDSHIP (Middle Tier)		1				1
Worcestershire HER	14	64	120	114	35	347
COUNTRYSIDE STEWARDSHIP - ARABLE OFFER (Middle Tier)				1	1	2
COUNTRYSIDE STEWARDSHIP - LOWLAND GRAZING OFFER (Middle Tier)					2	2
COUNTRYSIDE STEWARDSHIP (Higher Tier)	1	20	23	15	1	60
COUNTRYSIDE STEWARDSHIP (Middle Tier)	13	43	79	84	12	231
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION			1			1
HEDGEROWS AND BOUNDARIES			8	3	5	16
TREE HEALTH RESTORATION			2	5	3	10
WOODLAND CREATION GRANT			4	2		6
WOODLAND MANAGEMENT PLAN		1	3	4	11	19
Yorkshire Dales HER	15	41	143	234	123	556
COUNTRYSIDE STEWARDSHIP - UPLAND OFFER (Middle Tier)					1	1
COUNTRYSIDE STEWARDSHIP (Higher Tier)	3	9	32	25	8	77
COUNTRYSIDE STEWARDSHIP (Middle Tier)	9	29	65	112	13	228
FEASIBILITY STUDY AND HISTORIC BUILDING RESTORATION		2	1	5	15	23
HEDGEROWS AND BOUNDARIES	2		35	61	75	173
IMPLEMENTATION PLAN	1			21	2	24
TREE HEALTH IMPROVEMENT					1	1
TREE HEALTH RESTORATION			1		1	2
WOODLAND CREATION GRANT		1	5	5		11
WOODLAND MANAGEMENT PLAN			4	5	7	16
Grand Total	1040	3304	7053	7490	2852	21739

Data for the Peak District National Park is included under relevant counties.

Appendix 3: Historic Environment options applied to date, broken down by ALGAO member/HER (March 2020)

Historic environment options	2015	2016	2017	2018	2019	Grand Total
HE1 - Historic and archaeological feature protection.	20	17	51	22	1	111
Bedford Borough HER			1			1
Bristol City Council HER			9			9
Cambridgeshire HER			3			3
Central Bedfordshire HER		1				1
Chichester District HER				2		2
Cornwall and Scilly HER			2			2
Devon HER			4			4
Dorset HER			3	2		5
East Sussex HER	20		1			21
Essex HER		1				1
Exmoor National Park HER			1	1		2
Gloucestershire HER (including City of Gloucester)		1				1
Hampshire Archaeology and Historic Buildings Record		1				1
Hertfordshire HER			4	2		6
Lake District HER				1		1
Norfolk HER		2	10			12
North Somerset HER				3		3
North Yorkshire HER		1		1	1	3
Northamptonshire HER		1	1			2
Northumberland HER		1	6	1		8
Nottinghamshire HER		1				1
Somerset HER		1		2		3
South Gloucestershire HER		4	1			5
Staffordshire HER				1		1
Suffolk HER			1			1
West Sussex HER			1			1
Wiltshire and Swindon HER		2	2	1		5
Winchester HER				5		5
Worcestershire HER			1			1
HE2 - Historic building restoration					40	40
Cheshire HER					1	1
Dartmoor National Park HER					11	11
Derbyshire HER					5	5
Lake District HER					8	8
Northumberland HER					11	11
Staffordshire HER					1	1
Yorkshire Dales HER					3	3

HE3 - Removal of eyesore		1	28	13		42
Cornwall and Scilly HER			2	1		3
Derbyshire HER				1		1
Devon HER			1	1		2
Lancashire HER				1		1
Leicestershire and Rutland HER				4		4
Norfolk HER			8			8
Northumberland HER			12	2		14
Nottinghamshire HER			1			1
Oxfordshire HER				1		1
Shropshire HER			1			1
South Gloucestershire HER		1				1
South Yorkshire SMR			1			1
Staffordshire HER			1			1
West Berkshire HER				1		1
Wiltshire and Swindon HER			1	1		2
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	135	444	996	810	54	2439
Bath and North East Somerset SMR	2	3	6			11
Bedford Borough HER	1		4	2		7
Buckinghamshire HER			7	3		10
Cambridgeshire HER		5	16	4		25
Central Bedfordshire HER		2	3	5		10
Cheshire HER	5	23	29	35	2	94
Chichester District HER	2			2		4
City of York HER		1				1
Colchester HER	1		1	1		3
Cornwall and Scilly HER	8	14	34	23		79
Cumbria HER	14	27	66	63	7	177
Dartmoor National Park HER		1	6	8		15
Derbyshire HER	2	11	19	9	3	44
Devon HER	14	45	128	115	6	308
Dorset HER	2	2	13	7		24
Durham HER	2	7	9	1	3	22
East Sussex HER		1	3	1		5
Essex HER	3	11	9	5	1	29
Exmoor National Park HER			6	31		37
Gloucestershire HER (including City of Gloucester)	5	6	17	17		45
Greater Manchester HER		1	1	2		4
Hampshire Archaeology and Historic Buildings Record				4		4
Herefordshire HER	1	15	37	35		88
Hertfordshire HER	1	2	8	7	3	21
Humber HER	4	9	24	3		40
Isle of Wight HER		2	4	1		7
Kent HER		1		4		5

Lake District HER	1	3	10	20	4	38
Lancashire HER		14	35	19	7	75
Leicestershire and Rutland HER	1	3	6	5		15
Lincolnshire HER		9	48	16	1	74
Milton Keynes HER			1			1
Norfolk HER	5	43	72	39	1	160
North East Lincolnshire HER			1			1
North Lincolnshire HER	1	3	2			6
North Somerset HER			2	2		4
North York Moors National Park HER	6	5	3	5		19
North Yorkshire HER	14	29	62	38	3	146
Northamptonshire HER	1	7	13	5		26
Northumberland HER	5	26	62	38	3	134
Nottinghamshire HER	3	5	5	1	1	15
Oxfordshire HER	1	12	8	12		33
Peterborough City HER			1			1
Shropshire HER	7	23	55	53	1	139
Somerset HER	3	15	36	31	3	88
South Gloucestershire HER	1		3	1		5
South Yorkshire SMR		3	5	10		18
Staffordshire HER	4	10	25	13	1	53
Suffolk HER		22	26	22	2	72
Surrey HER		2	5	1		8
Tyne and Wear HER		2	2			4
Warwickshire HER	1	2	2	3	1	9
West Berkshire HER			1	2		3
West Sussex HER					1	1
West Yorkshire HER		2	3	4		9
Wiltshire and Swindon HER		4	11	4		19
Worcestershire HER	1	5	13	4		23
Yorkshire Dales HER	13	6	28	74		121
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.	10	103	208	127	3	451
Bedford Borough HER		1	1			2
Buckinghamshire HER		4				4
Cambridgeshire HER		4	1	2		7
Central Bedfordshire HER		1		1		2
Cheshire HER		1				1
Chichester District HER	2	2	1	4		9
Cornwall and Scilly HER		8	3	12		23
Cumbria HER		4	12	4	1	21
Derbyshire HER			2			2
Devon HER	7	13	20	5		45
Dorset HER			18	11		29
East Sussex HER				4		4
Essex HER		3				3

Gloucestershire HER (including City of Gloucester)		5	5	5		15
Hampshire Archaeology and Historic Buildings Record		6	10	4		20
Herefordshire HER			2			2
Hertfordshire HER			4	1		5
Humber HER			10	2		12
Kent HER		1	7	1		9
Lancashire HER				5		5
Lincolnshire HER		2	16	8	1	27
Norfolk HER		2	10	1		13
North Lincolnshire HER			3	2		5
North Somerset HER			2			2
North York Moors National Park HER		3	1	1		5
North Yorkshire HER			10	6		16
Northamptonshire HER			9			9
Northumberland HER		3	7	13		23
Nottinghamshire HER		5		2		7
Oxfordshire HER	1	2		1		4
Peterborough City HER		4		3		7
Redcar and Cleveland HER		5				5
Shropshire HER		1	3	1		5
Somerset HER			3	4		7
South Gloucestershire HER		2	3			5
South Yorkshire SMR			2			2
Staffordshire HER		8	3	2		13
Suffolk HER		1		3		4
Warwickshire HER		1				1
West Berkshire HER			1		1	2
West Sussex HER		3	4			7
West Yorkshire HER			4			4
Wiltshire and Swindon HER		7	28	17		52
Winchester HER		1	1	2		4
Worcestershire HER			2			2
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features	24	119	174	113	6	436
Bedford Borough HER		3	1			4
Buckinghamshire HER		6		4		10
Cambridgeshire HER	10		10	2	2	24
Cheshire HER	2					2
Chichester District HER	1	2		24		27
Cornwall and Scilly HER			1			1
Cumbria HER		1		2		3
Dorset HER	3	9	31	5	1	49
East Sussex HER				1	2	3
Essex HER			1	1		2

Gloucestershire HER (including City of Gloucester)		8	12	1		21
Hampshire Archaeology and Historic Buildings Record	4	4	13	2		23
Herefordshire HER			2			2
Hertfordshire HER			5	4		9
Humber HER			3			3
Kent HER		6	6	1		13
Lincolnshire HER		6	2	6		14
Milton Keynes HER		2				2
Norfolk HER		1				1
North Lincolnshire HER		1	3			4
North Yorkshire HER			11	2		13
Northamptonshire HER		4	5	1		10
Northumberland HER		5	2	5		12
Nottinghamshire HER		24		1		25
Oxfordshire HER	3	12	15	17		47
Peterborough City HER	1	1				2
Somerset HER		1	2	1		4
South Gloucestershire HER		3				3
South Yorkshire SMR			2			2
Tyne and Wear HER			1			1
Warwickshire HER				4		4
West Berkshire HER		2	7	7	1	17
West Sussex HER			4			4
Wiltshire and Swindon HER		18	33	22		73
Worcestershire HER			2			2
HS4 - Scrub control on historic and archaeological features		4	21	24	3	52
Cheshire HER		1		1		2
Cornwall and Scilly HER			4	3		7
Cumbria HER				1		1
Dartmoor National Park HER		1		1		2
Devon HER				1		1
Dorset HER			7	2	1	10
Exmoor National Park HER				1		1
Gloucestershire HER (including City of Gloucester)				2		2
Herefordshire HER				1		1
Lincolnshire HER			1	2	1	4
Merseyside HER		1				1
North Yorkshire HER		1			1	2
Nottinghamshire HER				1		1
Oxfordshire HER			1	1		2
Shropshire HER			2			2
Staffordshire HER				1		1
Tees Archaeology HER				1		1

Warwickshire HER				1		1
Wiltshire and Swindon HER			6	4		10
HS5 - Management of historic and archaeological features on grassland	70	463	980	647	26	2186
Bedford Borough HER				1		1
Berkshire Archaeology HER		1				1
Buckinghamshire HER	1	26		2		29
Cambridgeshire HER		7	2			9
Central Bedfordshire HER			1	2		3
Cheshire HER	6	17	16	5		44
Chichester District HER		1		7		8
City of York HER				3		3
Cornwall and Scilly HER	3	9	43	9		64
Cumbria HER	5	21	38	36	5	105
Dartmoor National Park HER			1	2		3
Derbyshire HER	4	25	80	78	2	189
Devon HER	1	11	44	13		69
Dorset HER		10	4	8		22
Durham HER		2	18	25	2	47
East Sussex HER		5	2	1		8
Essex HER		2	2		1	5
Exmoor National Park HER			1	24		25
Gloucestershire HER (including City of Gloucester)		22	32	6		60
Greater Manchester HER		1	59			60
Hampshire Archaeology and Historic Buildings Record			5	2		7
Herefordshire HER		17	7	13		37
Hertfordshire HER				4		4
Humber HER		2	20	2		24
Kent HER		2	1			3
Lake District HER	1	5	6	4		16
Lancashire HER		1	25	28	4	58
Leicestershire and Rutland HER	3	17	23	11		54
Lincolnshire HER	1	21	27	2		51
Norfolk HER		8	2			10
North East Lincolnshire HER			2			2
North Lincolnshire HER			4			4
North York Moors National Park HER		2	17	18	1	38
North Yorkshire HER	8	9	87	24	3	131
Northamptonshire HER		24	31	4		59
Northumberland HER	20	72	163	111	4	370
Nottinghamshire HER		1	3	3		7
Oxfordshire HER	3	15	14	9		41
Peterborough City HER		1				1
Shropshire HER		7	11	19		37
Somerset HER	1	4	38	20		63

South Yorkshire SMR		9				9
Staffordshire HER		31	30	11	1	73
Suffolk HER			2	2		4
Tees Archaeology HER				3		3
Tyne and Wear HER			3	1		4
Warwickshire HER		12	27	1		40
West Berkshire HER		1		6		7
West Sussex HER		6				6
Wiltshire and Swindon HER	1	18	33	33	3	88
Worcestershire HER	5	9	10	4		28
Yorkshire Dales HER	7	9	46	90		152
HS6 - Maintenance of designed/engineered water-bodies	1	15	8	3		27
Devon HER	1	3	1			5
Norfolk HER		3				3
Northumberland HER			1			1
Shropshire HER		5		1		6
Somerset HER				2		2
South Gloucestershire HER		2				2
Staffordshire HER			5			5
Warwickshire HER			1			1
Wiltshire and Swindon HER		2				2
HS7 - Management of historic water meadows through traditional irrigation	5		14	5		24
Dorset HER			14			14
Wiltshire and Swindon HER				2		2
Winchester HER	5			3		8
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas	8	11	42	38	3	102
Buckinghamshire HER			1			1
Cheshire HER					2	2
Cumbria HER	1	3	1			5
Derbyshire HER			3			3
Devon HER	1	1	3	2		7
Dorset HER			2	2		4
Durham HER			1			1
Exmoor National Park HER				1		1
Gloucestershire HER (including City of Gloucester)		1		1	1	3
Herefordshire HER		1	1			2
Lake District HER				3		3
Lancashire HER		1	3	2		6
Norfolk HER			1	1		2
North York Moors National Park HER	1			2		3
North Yorkshire HER	1		2	3		6
Northumberland HER			4			4

Nottinghamshire HER	1					1
Shropshire HER		1		3		4
Somerset HER				1		1
Staffordshire HER		1	2			3
Tees Archaeology HER			2			2
Warwickshire HER		1	1	1		3
Wiltshire and Swindon HER		1		1		2
Yorkshire Dales HER	3		15	15		33
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation	7	10	31	27	2	77
Cambridgeshire HER	3	3		2		8
Colchester HER	1					1
Cumbria HER				1		1
Dorset HER				5		5
Durham HER			3			3
Essex HER				2		2
Gloucestershire HER (including City of Gloucester)		3		2		5
Lincolnshire HER		1			1	2
Milton Keynes HER			1			1
Norfolk HER			4	9		13
North Yorkshire HER			1	1		2
Northamptonshire HER			3			3
Northumberland HER			12			12
Oxfordshire HER			5	3		8
Shropshire HER	3					3
South Gloucestershire HER				1		1
Warwickshire HER			2			2
Wiltshire and Swindon HER		3			1	4
Worcestershire HER				1		1
Grand Total	280	1187	2553	1829	138	5987

Data for the Peak District National Park is included under relevant counties.

Appendix 4: Historic environment options applied to SHINE records to date, broken down by ALGAO member/HER (March 2020)

Non-historic environment options	2015	2016	2017	2018	Grand Total
Bedford Borough HER				1	1
HS1 - Maintenance of Weatherproof Traditional Farm Buildings				1	1
Buckinghamshire HER		6		1	7
HS5 - Management of historic and archaeological features on grassland		6		1	7
Cambridgeshire HER		3	1		4
HS5 - Management of historic and archaeological features on grassland		3	1		4
Cheshire HER		3	1		4
HS1 - Maintenance of Weatherproof Traditional Farm Buildings			1		1
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		1			1
HS5 - Management of historic and archaeological features on grassland		2			2
Chichester District HER				1	1
HS1 - Maintenance of Weatherproof Traditional Farm Buildings				1	1
City of York HER				1	1
HS5 - Management of historic and archaeological features on grassland				1	1
Cornwall and Scilly HER	1	5	8	6	20
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	1	3	6		10
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		1		2	3
HS4 - Scrub control on historic and archaeological features			1	1	2
HS5 - Management of historic and archaeological features on grassland		1	1	3	5
Cumbria HER	1	1		4	6
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	1				1
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.				1	1
HS5 - Management of historic and archaeological features on grassland		1		3	4
Dartmoor National Park HER			1	2	3
HS1 - Maintenance of Weatherproof Traditional Farm Buildings				1	1
HS5 - Management of historic and archaeological features on grassland			1	1	2
Derbyshire HER	1	8	11	7	27
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	1		1	1	3
HS5 - Management of historic and archaeological features on grassland		8	10	6	24

Devon HER	7	12	35	22	76
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	4	6	29	19	58
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.	3	1	1	1	6
HS5 - Management of historic and archaeological features on grassland		5	4	2	11
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas			1		1
Dorset HER	1	1	3	2	7
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features	1		2		3
HS4 - Scrub control on historic and archaeological features			1		1
HS5 - Management of historic and archaeological features on grassland		1		2	3
Durham HER			1	3	4
HS5 - Management of historic and archaeological features on grassland			1	3	4
Exmoor National Park HER			3	6	9
HS1 - Maintenance of Weatherproof Traditional Farm Buildings			2	5	7
HS5 - Management of historic and archaeological features on grassland			1	1	2
Gloucestershire HER (including City of Gloucester)		4	5	2	11
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		1			1
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			2		2
HS4 - Scrub control on historic and archaeological features				1	1
HS5 - Management of historic and archaeological features on grassland		2	3	1	6
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation		1			1
Greater Manchester HER			1		1
HS5 - Management of historic and archaeological features on grassland			1		1
Hampshire Archaeology and Historic Buildings Record		1	1		2
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		1			1
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			1		1
Herefordshire HER		5		3	8
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		1		2	3
HS5 - Management of historic and archaeological features on grassland		4		1	5
Hertfordshire HER			2		2
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			2		2
Humber HER	1		3	1	5
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	1		1		2

HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.				1	1
HS5 - Management of historic and archaeological features on grassland			2		2
Kent HER		1			1
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		1			1
Lake District HER			1	2	3
HS1 - Maintenance of Weatherproof Traditional Farm Buildings			1	2	3
Lancashire HER			1	1	2
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.				1	1
HS5 - Management of historic and archaeological features on grassland			1		1
Leicestershire and Rutland HER		4	5		9
HS5 - Management of historic and archaeological features on grassland		4	5		9
Lincolnshire HER		4	6	2	12
HS1 - Maintenance of Weatherproof Traditional Farm Buildings			1		1
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			2	2	4
HS5 - Management of historic and archaeological features on grassland		4	3		7
Norfolk HER		6	5		11
HE1 - Historic and archaeological feature protection.			1		1
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		2	3		5
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		1			1
HS5 - Management of historic and archaeological features on grassland		3	1		4
North East Lincolnshire HER			1		1
HS5 - Management of historic and archaeological features on grassland			1		1
North Lincolnshire HER			3	1	4
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			2	1	3
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			1		1
North York Moors National Park HER			6	1	7
HS5 - Management of historic and archaeological features on grassland			6	1	7
North Yorkshire HER	5	4	15	11	35
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		1			1
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			1		1
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			1		1
HS5 - Management of historic and archaeological features on grassland	5	3	13	11	32
Northamptonshire HER		4	9		13

HS1 - Maintenance of Weatherproof Traditional Farm Buildings			1		1
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			1		1
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		1	2		3
HS5 - Management of historic and archaeological features on grassland		3	5		8
Northumberland HER	3	4	18	6	31
HS1 - Maintenance of Weatherproof Traditional Farm Buildings			1	1	2
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			1		1
HS5 - Management of historic and archaeological features on grassland	3	4	15	5	27
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation			1		1
Nottinghamshire HER		2		3	5
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		2		1	3
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features				1	1
HS5 - Management of historic and archaeological features on grassland				1	1
Oxfordshire HER	2	3	4	2	11
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features	1	2	2	1	6
HS5 - Management of historic and archaeological features on grassland	1	1	2		4
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation				1	1
Shropshire HER	1	3	4	8	16
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	1	1		3	5
HS5 - Management of historic and archaeological features on grassland		2	4	5	11
Somerset HER	1	1	7	4	13
HS1 - Maintenance of Weatherproof Traditional Farm Buildings				2	2
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		1			1
HS5 - Management of historic and archaeological features on grassland	1		7	2	10
South Gloucestershire HER			1		1
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			1		1
South Yorkshire SMR			1		1
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			1		1
Staffordshire HER		4	2	1	7
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		1			1
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.				1	1
HS5 - Management of historic and archaeological		3	2		5

features on grassland					
Tees Archaeology HER				1	1
HS5 - Management of historic and archaeological features on grassland				1	1
Tyne and Wear HER			1		1
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			1		1
Warwickshire HER		2	3	1	6
HS4 - Scrub control on historic and archaeological features				1	1
HS5 - Management of historic and archaeological features on grassland		2	2		4
HS6 - Maintenance of designed/engineered water-bodies			1		1
West Berkshire HER		2		3	5
HS1 - Maintenance of Weatherproof Traditional Farm Buildings				2	2
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		2			2
HS5 - Management of historic and archaeological features on grassland				1	1
West Sussex HER		2			2
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		1			1
HS5 - Management of historic and archaeological features on grassland		1			1
Wiltshire and Swindon HER		1	4	4	9
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			2	1	3
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		1	2		3
HS5 - Management of historic and archaeological features on grassland				3	3
Winchester HER				1	1
HS7 - Management of historic water meadows through traditional irrigation				1	1
Worcestershire HER	1	3	3	2	9
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		3	2	2	7
HS5 - Management of historic and archaeological features on grassland	1		1		2
Yorkshire Dales HER	2	2	7	9	20
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	1			2	3
HS5 - Management of historic and archaeological features on grassland	1	2	4	6	13
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas			3	1	4
Grand Total	27	101	183	125	436

Data for the Peak District National Park is included under relevant counties.

Appendix 5: Non-historic environment options applied to SHINE records to date, broken down by ALGAO member (March 2020)

Non-historic environment options	2015	2016	2017	2018	2019	Grand Total
Bath and North East Somerset SMR			10	5		15
AB11 - Cultivated areas for arable plants			1			1
BE3 - Management of hedgerows			4			4
BN7 - Hedgerow Gapping				1		1
GS13 - Management of grassland for target features			1			1
GS17 - Lenient Grazing Supplement			2			2
GS2 - Permanent grassland with very low inputs (outside SDAs)			1	2		3
GS4 - Legume and herb-rich swards			1			1
OT1 - Organic land management - improved permanent grassland				1		1
OT2 - Organic Land Management - unimproved permanent grassland				1		1
Bedford Borough HER	15	23	26	32		96
AB1 - Nectar Flower Mix		2	5			7
AB11 - Cultivated areas for arable plants		1				1
AB12 - Supplementary winter feeding for farmland birds				1		1
AB15 - Two year sown legume fallow		1	1	1		3
AB2 - Basic Overwinter stubble				1		1
AB3 - Beetle banks				1		1
AB8 - Flower rich margins and plots	3	5	1	2		11
AB9 - Winter bird food	1	2	1			4
APO - Additional Parcel Option		1	2	5		8
BE3 - Management of hedgerows	8	4	3	6		21
ED1 - Educational Access			1			1
FG11 - Deer enclosure plot/unit			1			1
FY1 - Deer high seat / unit				2		2
GS1 - Take field corners and small areas out of management		1				1
GS13 - Management of grassland for target features			1			1
GS15 - Haymaking supplement				2		2
GS2 - Permanent grassland with very low inputs (outside SDAs)		2	5	5		12
PA3 - Woodland Management plan/per ha				3		3
RP4 - Livestock and machinery hardcore tracks				2		2
SW1 - 4-6m buffer strip on cultivated land	3	4	4	1		12
WB1 - Small Wildlife Box			1			1
Berkshire Archaeology HER			2	1		3
AB2 - Basic Overwinter stubble			1			1
BN11 - Planting new hedges			1			1
SW1 - 4-6m buffer strip on cultivated land				1		1
Buckinghamshire HER	12	38	73	51		174
AB1 - Nectar Flower Mix			1	2		3

AB12 - Supplementary winter feeding for farmland birds				1		1
AB2 - Basic Overwinter stubble			2			2
AB6 - Enhanced overwinter stubble		1				1
AB7 - Wholecrop cereals			1			1
AB8 - Flower rich margins and plots		1				1
AB9 - Winter bird food		2	4			6
APO - Additional Parcel Option		7	5	3		15
BE1 - Protection of in-field trees on arable land		1				1
BE3 - Management of hedgerows	9	4	20	8		41
BN11 - Planting new hedges			1	2		3
BN7 - Hedgerow Gapping			1			1
ED1 - Educational Access				1		1
FG11 - Deer exclosure plot/unit				1		1
FG2 - Sheep netting			3	2		5
FY1 - Deer high seat / unit				1		1
GS13 - Management of grassland for target features		1		1		2
GS17 - Lenient Grazing Supplement			4	2		6
GS2 - Permanent grassland with very low inputs (outside SDAs)	2	16	22	22		62
GS6 - Management of species-rich grassland				1		1
GS7 - Restoration towards species-rich grassland	1					1
PA3 - Woodland Management plan/per ha				1		1
RP26 - Biofilters				1		1
SW1 - 4-6m buffer strip on cultivated land		3	2			5
SW3 - In-field grass strips				1		1
SW4 - 12-24m watercourse buffer strip on cultivated land		1				1
WD2 - Woodland improvement		1	7	1		9
Cambridgeshire HER	13	64	81	67		225
AB1 - Nectar Flower Mix	1	7	5	6		19
AB10 - Unharvested cereal headland		1				1
AB12 - Supplementary winter feeding for farmland birds	1	2				3
AB16 - Autumn Sown BumbleBird Mix			1			1
AB2 - Basic Overwinter stubble		1				1
AB4 - Skylark Plots			1	1		2
AB8 - Flower rich margins and plots	1	7	11			19
AB9 - Winter bird food		5	11	6		22
APO - Additional Parcel Option		7	17	17		41
BE3 - Management of hedgerows	7	17	12	7		43
BN11 - Planting new hedges			1	1		2
BN6 - Hedgerow Coppicing			2			2
FG12 - Wooden Field Gate			1			1
FG2 - Sheep netting				2		2
GS10 - Management of wet grassland for wintering waders and wildfowl				1		1
GS13 - Management of grassland for target features	1					1
GS17 - Lenient Grazing Supplement				4		4

GS2 - Permanent grassland with very low inputs (outside SDAs)	1	8	9	8		26
GS4 - Legume and herb-rich swards				2		2
RP1 - Resurfacing of gateways			1			1
SP6 - Cattle grazing supplement				1		1
SW1 - 4-6m buffer strip on cultivated land	1	8	9	9		27
SW3 - In-field grass strips				2		2
WD2 - Woodland improvement		1				1
Central Bedfordshire HER	2	26	24	42	3	97
AB12 - Supplementary winter feeding for farmland birds			1			1
AB15 - Two year sown legume fallow	1		1	2		4
AB16 - Autumn Sown BumbleBird Mix				1		1
AB8 - Flower rich margins and plots		2	1	5		8
AB9 - Winter bird food			1	1		2
APO - Additional Parcel Option	1	13	8	9	1	32
BE3 - Management of hedgerows		5	3	4		12
BN7 - Hedgerow Gapping				1		1
FG10 - Temporary deer fencing / m				1		1
FY1 - Deer high seat / unit				2		2
GS2 - Permanent grassland with very low inputs (outside SDAs)		1	6	2		9
GS6 - Management of species-rich grassland		1				1
PA3 - Woodland Management plan/per ha					2	2
SW1 - 4-6m buffer strip on cultivated land		3	1	1		5
SW3 - In-field grass strips			1			1
SW4 - 12-24m watercourse buffer strip on cultivated land			1			1
WD2 - Woodland improvement		1		13		14
Cheshire HER	17	42	63	36		158
AB1 - Nectar Flower Mix	1					1
AB16 - Autumn Sown BumbleBird Mix	1					1
AB9 - Winter bird food			1			1
APO - Additional Parcel Option			3			3
BE2 - Protection of in-field trees on intensive grassland		1				1
BE3 - Management of hedgerows	6	27	36	16		85
BN11 - Planting new hedges			1			1
BN5 - Hedgerow laying				1		1
BN7 - Hedgerow Gapping				1		1
ED1 - Educational Access		1				1
FG12 - Wooden Field Gate				1		1
FG2 - Sheep netting			1			1
GS1 - Take field corners and small areas out of management				1		1
GS13 - Management of grassland for target features	1					1
GS17 - Lenient Grazing Supplement			4	3		7
GS2 - Permanent grassland with very low inputs (outside SDAs)	2	8	8	8		26
GS3 - Ryegrass seed-set as winter food for birds	1					1
GS5 - Permanent grassland with very low inputs				1		1

in SDA						
GS6 - Management of species-rich grassland			1			1
OP3 - Supplementary feeding for farmland birds		1				1
OT1 - Organic land management - improved permanent grassland	5	2	1	1		9
OT3 - Organic Land Management - rotational land		1				1
RP4 - Livestock and machinery hardcore tracks				1		1
SW1 - 4-6m buffer strip on cultivated land		1				1
SW2 - 4-6m buffer strip on intensive grassland			1			1
SW9 - Seasonal livestock removal on intensive grassland					1	1
UP1 - Enclosed rough grazing			1			1
WB1 - Small Wildlife Box					1	1
WB2 - Medium Wildlife Box			1			1
WD2 - Woodland improvement			4			4
Chichester District HER	2	21	24	58	1	106
AB1 - Nectar Flower Mix		1				1
AB11 - Cultivated areas for arable plants		2				2
AB12 - Supplementary winter feeding for farmland birds			2	2		4
AB15 - Two year sown legume fallow			1			1
AB6 - Enhanced overwinter stubble			1			1
AB8 - Flower rich margins and plots			2	4		6
AB9 - Winter bird food			2			2
APO - Additional Parcel Option		1	1	2		4
BE2 - Protection of in-field trees on intensive grassland		1				1
BE3 - Management of hedgerows		2	2	4		8
BE5 - Creation of traditional orchards				1		1
BN10 - Hedgerow Supplement - Top Binding and Staking				1		1
BN11 - Planting new hedges			1	1		2
BN5 - Hedgerow laying			1			1
BN7 - Hedgerow Gapping				1		1
CT3 - Management of coastal saltmarsh			1			1
ED1 - Educational Access			1	1		2
FG12 - Wooden Field Gate				1		1
FG9 - Woodland Fencing - Deer				1		1
FY1 - Deer high seat / unit				1		1
GS1 - Take field corners and small areas out of management		1				1
GS13 - Management of grassland for target features				1		1
GS2 - Permanent grassland with very low inputs (outside SDAs)		1	2	2		5
GS4 - Legume and herb-rich swards				1		1
GS6 - Management of species-rich grassland				3		3
LH1 - Management of lowland heathland			1			1
OR3 - Organic conversion - rotational land				4		4
PA3 - Woodland Management plan/per ha			2	2	1	5
SW1 - 4-6m buffer strip on cultivated land		1	1			2

TE4A - Woodland Tree Planting - Biodiversity				2		2
WB1 - Small Wildlife Box			1			1
WD2 - Woodland improvement	2	11	2	23		38
City of York HER		1		1		2
BE3 - Management of hedgerows		1				1
SW9 - Seasonal livestock removal on intensive grassland				1		1
Colchester HER		1	1			2
BE3 - Management of hedgerows		1				1
GS2 - Permanent grassland with very low inputs (outside SDAs)			1			1
Cornwall and Scilly HER	15	34	166	137	2	354
AB1 - Nectar Flower Mix				1		1
AB11 - Cultivated areas for arable plants				1		1
AB13 - Brassica fodder crop			1			1
AB14 - Harvested low input cereal			2			2
AB16 - Autumn Sown BumbleBird Mix	1					1
AB2 - Basic Overwinter stubble		2	1	2		5
AB6 - Enhanced overwinter stubble		1				1
AB7 - Wholecrop cereals			1			1
AB8 - Flower rich margins and plots				1		1
AB9 - Winter bird food	1		3	2		6
AC2 - Countryside Educational Visits Accreditation Scheme (CEVAS)				1		1
APO - Additional Parcel Option		3	17	7		27
BE3 - Management of hedgerows	5	20	52	59		136
BN1 - Stone-faced bank repair				1		1
BN3 - Earth bank creation				1		1
BN4 - Earth Bank Restoration			4	1	1	6
BN5 - Hedgerow laying			1			1
ED1 - Educational Access			4			4
FG1 - Fencing			6	8		14
FG12 - Wooden Field Gate			1	3		4
FG2 - Sheep netting			5	4		9
FM2 - Major preparatory work for Priority Habitats (creation and restoration) and Priority Species			1	1		2
GS1 - Take field corners and small areas out of management			3	1		4
GS13 - Management of grassland for target features			4	2		6
GS15 - Haymaking supplement			1			1
GS16 - Rush infestation control supplement			1			1
GS17 - Lenient Grazing Supplement		1	2	4		7
GS2 - Permanent grassland with very low inputs (outside SDAs)	1	2	21	18		42
GS4 - Legume and herb-rich swards		1	1	1		3
GS5 - Permanent grassland with very low inputs in SDA		2	3	2		7
GS6 - Management of species-rich grassland	1		6			7
GS7 - Restoration towards species-rich grassland			1			1

LH1 - Management of lowland heathland			3	1		4
LV3 - Hard bases for livestock drinkers				1		1
LV7 - Livestock troughs			1			1
OR3 - Organic conversion - rotational land				1		1
OT1 - Organic land management - improved permanent grassland	1	1	1	2		5
OT3 - Organic Land Management - rotational land	4		3			7
PA3 - Woodland Management plan/per ha			1			1
RP15 - Concrete yard renewal			1			1
RP16 - Rainwater goods			1			1
RP28 - Roofing (sprayer washdown area, manure storage area, ...)			3			3
SB6C - Rhododendron control			1			1
SP6 - Cattle grazing supplement		1		1		2
SW1 - 4-6m buffer strip on cultivated land			2			2
SW3 - In-field grass strips				2		2
SW9 - Seasonal livestock removal on intensive grassland			1	1		2
TE4A - Woodland Tree Planting - Biodiversity					1	1
WD2 - Woodland improvement	1		4	4		9
WD7 - Management of successional areas and scrub			2	3		5
Cumbria HER		6	23	19	1	49
APO - Additional Parcel Option			1	1		2
BE2 - Protection of in-field trees on intensive grassland		1				1
BE3 - Management of hedgerows		2	7	2		11
BN12 - Stone Wall Restoration			1		1	2
BN5 - Hedgerow laying				4		4
BN7 - Hedgerow Gapping			2	1		3
FG12 - Wooden Field Gate			1	1		2
FG2 - Sheep netting				1		1
FM2 - Major preparatory work for Priority Habitats (creation and restoration) and Priority Species			1	1		2
GS1 - Take field corners and small areas out of management		1				1
GS15 - Haymaking supplement			1			1
GS17 - Lenient Grazing Supplement			1	1		2
GS2 - Permanent grassland with very low inputs (outside SDAs)		1	1	2		4
GS5 - Permanent grassland with very low inputs in SDA				1		1
OT1 - Organic land management - improved permanent grassland				1		1
OT3 - Organic Land Management - rotational land				1		1
PA3 - Woodland Management plan/per ha				1		1
RP4 - Livestock and machinery hardcore tracks				1		1
SW9 - Seasonal livestock removal on intensive grassland			1			1
TE4A - Woodland Tree Planting - Biodiversity			1			1

UP2 - Management of rough grazing for birds			1			1
UP3 - Management of Moorland			1			1
WD1 - Woodland creation - maintenance payments			2			2
WD2 - Woodland improvement		1	1			2
Dartmoor National Park HER	1	1	25	20		47
APO - Additional Parcel Option				1		1
BE3 - Management of hedgerows	1		2	1		4
BN11 - Planting new hedges			1			1
BN12 - Stone Wall Restoration			2	1		3
BN2 - Stone faced bank restoration				1		1
BN5 - Hedgerow laying				2		2
BN6 - Hedgerow Coppicing				1		1
BN7 - Hedgerow Gapping			1			1
FG1 - Fencing			1			1
FG11 - Deer enclosure plot/unit				1		1
FG2 - Sheep netting			1	2		3
FY2A - Capital investments to improve access infrastructure to woodlands.			2			2
GS17 - Lenient Grazing Supplement				1		1
GS5 - Permanent grassland with very low inputs in SDA		1	1	2		4
OT1 - Organic land management - improved permanent grassland			1			1
SP6 - Cattle grazing supplement			1			1
SP8 - Native breeds at risk supplement			4			4
SW10 - Seasonal livestock removal on intensive grassland				1		1
UP1 - Enclosed rough grazing				3		3
WB1 - Small Wildlife Box				1		1
WB2 - Medium Wildlife Box				1		1
WD2 - Woodland improvement			8	1		9
Derbyshire HER	7	14	62	61	4	148
AB15 - Two year sown legume fallow				2		2
APO - Additional Parcel Option			3	6	1	10
BE3 - Management of hedgerows	3	1	8	11		23
BN10 - Hedgerow Supplement - Top Binding and Staking			1			1
BN12 - Stone Wall Restoration			6	12	2	20
BN5 - Hedgerow laying			2	1		3
FG2 - Sheep netting				1		1
FM2 - Major preparatory work for Priority Habitats (creation and restoration) and Priority Species				1		1
FY2A - Capital investments to improve access infrastructure to woodlands.			2			2
GS13 - Management of grassland for target features			7	6		13
GS15 - Haymaking supplement			1	4		5
GS17 - Lenient Grazing Supplement		3	5	1		9
GS2 - Permanent grassland with very low inputs (outside SDAs)	2	2	10	5		19

GS5 - Permanent grassland with very low inputs in SDA		3	2			5
GS6 - Management of species-rich grassland		1		5		6
GS7 - Restoration towards species-rich grassland			1			1
OR1 - Organic conversion - improved permanent grassland			1			1
OR3 - Organic conversion - rotational land			1			1
OT1 - Organic land management - improved permanent grassland			1	1		2
PA2 - Feasibility Study				1		1
PA3 - Woodland Management plan/per ha					1	1
SB1F - Scrub Control and Felling Diseased Trees			1			1
SB2 - Scrub control - difficult sites				1		1
SB4 - Chemical Bracken Control			1			1
UP1 - Enclosed rough grazing	1		1			2
UP3 - Management of Moorland				2		2
WD2 - Woodland improvement	1	4	8	1		14
Devon HER	8	28	124	88	3	251
AB1 - Nectar Flower Mix	1		1			2
AB13 - Brassica fodder crop		1		1		2
AB2 - Basic Overwinter stubble		1	3	2		6
AB7 - Wholecrop cereals			1			1
AB8 - Flower rich margins and plots				1		1
AB9 - Winter bird food			3	4		7
AC2 - Countryside Educational Visits Accreditation Scheme (CEVAS)			1			1
APO - Additional Parcel Option		1	5	1	2	9
BE2 - Protection of in-field trees on intensive grassland			1			1
BE3 - Management of hedgerows	4	5	38	33		80
BE4 - Management of traditional orchards		1	2			3
BE5 - Creation of traditional orchards			5			5
BN1 - Stone-faced bank repair			1	1		2
BN2 - Stone faced bank restoration				1		1
BN4 - Earth Bank Restoration			1			1
BN5 - Hedgerow laying			4	5	1	10
BN6 - Hedgerow Coppicing				1		1
BN7 - Hedgerow Gapping				1		1
CT1 - Management of coastal sand dunes and vegetated shingle			3			3
FG1 - Fencing			5	4		9
FG2 - Sheep netting			6	5		11
GS13 - Management of grassland for target features			1			1
GS17 - Lenient Grazing Supplement		1	3	1		5
GS2 - Permanent grassland with very low inputs (outside SDAs)	1	3	15	4		23
GS5 - Permanent grassland with very low inputs in SDA				1		1
GS6 - Management of species-rich grassland	1		2			3
GS7 - Restoration towards species-rich	1					1

grassland					
LV3 - Hard bases for livestock drinkers			1		1
OT1 - Organic land management - improved permanent grassland		6	7	1	14
OT3 - Organic Land Management - rotational land		6	1	1	8
PA3 - Woodland Management plan/per ha			1		1
RP15 - Concrete yard renewal			8	4	12
RP16 - Rainwater goods			1	2	3
RP28 - Roofing (sprayer washdown area, manure storage area, ...)				3	3
RP4 - Livestock and machinery hardcore tracks			1	1	2
RP6 - Installation of piped culverts and ditches				1	1
SP6 - Cattle grazing supplement				2	2
SW1 - 4-6m buffer strip on cultivated land		1			1
SW2 - 4-6m buffer strip on intensive grassland		1			1
SW5 - Enhanced management of maize crops				1	1
WB1 - Small Wildlife Box				2	2
WB2 - Medium Wildlife Box				1	1
WD2 - Woodland improvement			4	3	7
Dorset HER	5	18	55	28	106
AB1 - Nectar Flower Mix			1	1	2
AB14 - Harvested low input cereal			1		1
AB15 - Two year sown legume fallow			1		1
AB16 - Autumn Sown BumbleBird Mix		1			1
AB2 - Basic Overwinter stubble			1		1
AB9 - Winter bird food			1	1	2
APO - Additional Parcel Option		1	13	1	15
BE3 - Management of hedgerows	3	6	6	3	18
BN11 - Planting new hedges				1	1
BN5 - Hedgerow laying			2		2
CT3 - Management of coastal saltmarsh				1	1
FG12 - Wooden Field Gate			1	1	2
FG2 - Sheep netting			1	1	2
FG3 - Permanent electric fencing				1	1
GS13 - Management of grassland for target features	1	2	3		6
GS17 - Lenient Grazing Supplement		1	1		2
GS2 - Permanent grassland with very low inputs (outside SDAs)	1	1	13	9	24
GS6 - Management of species-rich grassland		2	1	5	8
OT1 - Organic land management - improved permanent grassland			6	1	7
OT2 - Organic Land Management - unimproved permanent grassland		2			2
OT3 - Organic Land Management - rotational land		1	2		3
SW1 - 4-6m buffer strip on cultivated land			1		1
SW2 - 4-6m buffer strip on intensive grassland		1			1
SW5 - Enhanced management of maize crops				1	1
WD2 - Woodland improvement				1	1
Durham HER	1	1	5	10	17

APO - Additional Parcel Option				1		1
BE3 - Management of hedgerows	1			1		2
BN12 - Stone Wall Restoration			1	4		5
BN7 - Hedgerow Gapping				1		1
FG1 - Fencing			1			1
GS17 - Lenient Grazing Supplement				1		1
GS2 - Permanent grassland with very low inputs (outside SDAs)		1	2	1		4
GS5 - Permanent grassland with very low inputs in SDA				1		1
SW1 - 4-6m buffer strip on cultivated land			1			1
East Sussex HER	6	25	22	35	1	89
AB1 - Nectar Flower Mix				2		2
AB12 - Supplementary winter feeding for farmland birds				1		1
AB13 - Brassica fodder crop				2		2
AB2 - Basic Overwinter stubble		1				1
AB8 - Flower rich margins and plots		1				1
AB9 - Winter bird food				1		1
APO - Additional Parcel Option	1		3	4	1	9
BE3 - Management of hedgerows	6		2	1		9
BN10 - Hedgerow Supplement - Top Binding and Staking			1			1
BN11 - Planting new hedges			1			1
FG1 - Fencing				1		1
FG2 - Sheep netting			1	1		2
FM2 - Major preparatory work for Priority Habitats (creation and restoration) and Priority Species				1		1
GS10 - Management of wet grassland for wintering waders and wildfowl		4		5		9
GS13 - Management of grassland for target features	2	1	1			4
GS17 - Lenient Grazing Supplement				3		3
GS2 - Permanent grassland with very low inputs (outside SDAs)	3	5	6	9		23
GS4 - Legume and herb-rich swards			1			1
GS6 - Management of species-rich grassland		2	1	2		5
GS7 - Restoration towards species-rich grassland			1			1
GS9 - Management of wet grassland for breeding waders				1		1
LH1 - Management of lowland heathland				1		1
OT3 - Organic Land Management - rotational land	1	1	1			3
PA3 - Woodland Management plan/per ha			1			1
SW1 - 4-6m buffer strip on cultivated land		2				2
WD2 - Woodland improvement		1	2			3
Essex HER	12	31	16	8		67
AB1 - Nectar Flower Mix				1		1
AB12 - Supplementary winter feeding for farmland birds			3			3
AB16 - Autumn Sown BumbleBird Mix				1		1

AB8 - Flower rich margins and plots	1	2	1	1		5
AB9 - Winter bird food		2	2			4
APO - Additional Parcel Option		6	1	4		11
BE3 - Management of hedgerows		8	2			10
FG1 - Fencing				1		1
GS10 - Management of wet grassland for wintering waders and wildfowl		2	1			3
GS13 - Management of grassland for target features			1			1
GS2 - Permanent grassland with very low inputs (outside SDAs)		3	2			5
PA1 - Implementation Plan/Unit			1			1
SP8 - Native breeds at risk supplement		1				1
SW1 - 4-6m buffer strip on cultivated land		3				3
SW3 - In-field grass strips			1			1
SW4 - 12-24m watercourse buffer strip on cultivated land			1			1
WD2 - Woodland improvement	11	3				14
WD7 - Management of successional areas and scrub		1				1
Exmoor National Park HER	1	1	25	105	2	134
AB8 - Flower rich margins and plots	1					1
AB9 - Winter bird food				1		1
APO - Additional Parcel Option			1	8		9
BE3 - Management of hedgerows			2	32		34
BN4 - Earth Bank Restoration				2		2
BN5 - Hedgerow laying			7	8	2	17
BN6 - Hedgerow Coppicing				1		1
FG1 - Fencing				1		1
FG12 - Wooden Field Gate			2	2		4
FG2 - Sheep netting				3		3
GS1 - Take field corners and small areas out of management				1		1
GS13 - Management of grassland for target features				2		2
GS15 - Haymaking supplement				1		1
GS17 - Lenient Grazing Supplement				3		3
GS2 - Permanent grassland with very low inputs (outside SDAs)			1	4		5
GS5 - Permanent grassland with very low inputs in SDA			3	8		11
GS6 - Management of species-rich grassland				2		2
GS7 - Restoration towards species-rich grassland				2		2
OT1 - Organic land management - improved permanent grassland		1		7		8
OT2 - Organic Land Management - unimproved permanent grassland				4		4
OT3 - Organic Land Management - rotational land				1		1
PA3 - Woodland Management plan/per ha				1		1
RP13 - Yard - underground drainage pipework				1		1
SB6A - Rhododendron control			1			1

SP3 - Bracken control supplement				2		2
SP6 - Cattle grazing supplement			2	2		4
TE10 - Coppicing Bank-side Trees				1		1
UP1 - Enclosed rough grazing				4		4
WB1 - Small Wildlife Box				1		1
WD2 - Woodland improvement			6			6
Gloucestershire HER (including City of Gloucester)	10	34	51	71	7	173
AB1 - Nectar Flower Mix		1	2	1		4
AB10 - Unharvested cereal headland		1		1		2
AB12 - Supplementary winter feeding for farmland birds		2		2		4
AB15 - Two year sown legume fallow		1				1
AB2 - Basic Overwinter stubble				2		2
AB4 - Skylark Plots				1		1
AB8 - Flower rich margins and plots		1	5	2		8
AB9 - Winter bird food		1	4	5		10
AC2 - Countryside Educational Visits Accreditation Scheme (CEVAS)			1			1
APO - Additional Parcel Option		1	8	14	5	28
BE3 - Management of hedgerows	6	8	11	14		39
BN10 - Hedgerow Supplement - Top Binding and Staking			1			1
BN12 - Stone Wall Restoration				2		2
BN5 - Hedgerow laying				1		1
BN6 - Hedgerow Coppicing				2		2
BN7 - Hedgerow Gapping				1		1
FG12 - Wooden Field Gate				2		2
FG2 - Sheep netting				4		4
GS1 - Take field corners and small areas out of management				1		1
GS10 - Management of wet grassland for wintering waders and wildfowl		1				1
GS13 - Management of grassland for target features		3	1			4
GS17 - Lenient Grazing Supplement		2		1		3
GS2 - Permanent grassland with very low inputs (outside SDAs)	2	9	8	6		25
GS6 - Management of species-rich grassland			3	1		4
OP2 - Wild bird seed mixture				1		1
OR1 - Organic conversion - improved permanent grassland				1		1
OT1 - Organic land management - improved permanent grassland	2	1	1			4
OT5 - Organic Land Management - Top Fruit		1				1
PA2 - Feasibility Study					1	1
PA3 - Woodland Management plan/per ha					1	1
SW1 - 4-6m buffer strip on cultivated land		1	3	1		5
WD1 - Woodland creation - maintenance payments				1		1
WD2 - Woodland improvement			1	4		5
WD4 - Management of wood pasture and parkland			2			2

Greater London HER	1		2	8		11
AB8 - Flower rich margins and plots			1			1
GS2 - Permanent grassland with very low inputs (outside SDAs)				2		2
GS6 - Management of species-rich grassland			1			1
WD2 - Woodland improvement	1			6		7
Greater Manchester HER				1		1
GS1 - Take field corners and small areas out of management				1		1
Hampshire Archaeology and Historic Buildings Record		2	15	13		30
AB1 - Nectar Flower Mix			2			2
AB3 - Beetle banks			1			1
AB6 - Enhanced overwinter stubble				1		1
AB8 - Flower rich margins and plots			1			1
AB9 - Winter bird food			1	1		2
APO - Additional Parcel Option	1		1	1		3
BN11 - Planting new hedges				1		1
FG2 - Sheep netting				1		1
GS10 - Management of wet grassland for wintering waders and wildfowl				1		1
GS13 - Management of grassland for target features				1		1
GS2 - Permanent grassland with very low inputs (outside SDAs)				3		3
GS6 - Management of species-rich grassland			1			1
GS7 - Restoration towards species-rich grassland			1			1
GS9 - Management of wet grassland for breeding waders			1	1		2
OT3 - Organic Land Management - rotational land			2			2
SW1 - 4-6m buffer strip on cultivated land			1			1
SW3 - In-field grass strips			1			1
SW6 - Winter cover crops				1		1
WD2 - Woodland improvement				1		1
WT12 - Wetland grazing supplement			1			1
WT5 - Management of ponds of High Wildlife value (more than 100 sq m)	1					1
WT6 - Management of reedbed			1			1
Herefordshire HER	6	16	59	64	1	146
AB1 - Nectar Flower Mix		1	1			2
AB14 - Harvested low input cereal		1				1
AB15 - Two year sown legume fallow				3		3
AB16 - Autumn Sown BumbleBird Mix		1				1
AB2 - Basic Overwinter stubble		1	1			2
AB4 - Skylark Plots			1			1
AB8 - Flower rich margins and plots			3			3
AB9 - Winter bird food			2			2
AC1 - Access Capital Items				1		1
APO - Additional Parcel Option		1	5	3		9
BE3 - Management of hedgerows	1	5	7	14		27

BE4 - Management of traditional orchards				1		1
BN10 - Hedgerow Supplement - Top Binding and Staking			1	1		2
BN11 - Planting new hedges			1	1		2
BN12 - Stone Wall Restoration			1			1
BN5 - Hedgerow laying			3			3
BN6 - Hedgerow Coppicing				1		1
FG1 - Fencing				1		1
FG11 - Deer enclosure plot/unit			1	2		3
FG12 - Wooden Field Gate			2			2
FG2 - Sheep netting			3	6		9
GS1 - Take field corners and small areas out of management			1			1
GS15 - Haymaking supplement				1		1
GS17 - Lenient Grazing Supplement		1				1
GS2 - Permanent grassland with very low inputs (outside SDAs)		4	9	10		23
GS5 - Permanent grassland with very low inputs in SDA			1			1
GS7 - Restoration towards species-rich grassland			1			1
LV8 - Pipework for livestock troughs				1		1
OT1 - Organic land management - improved permanent grassland		1	1	1		3
OT3 - Organic Land Management - rotational land			1			1
OT5 - Organic Land Management - Top Fruit			1			1
PA3 - Woodland Management plan/per ha			2	3	1	6
RP13 - Yard - underground drainage pipework			1	3		4
RP15 - Concrete yard renewal			2	3		5
RP16 - Rainwater goods				1		1
RP27 - Sprayer or applicator load and washdown area/sq m			1			1
RP28 - Roofing (sprayer washdown area, manure storage area, ...)			1	1		2
RP4 - Livestock and machinery hardcore tracks			2	1		3
SW1 - 4-6m buffer strip on cultivated land			1	3		4
TE10 - Coppicing Bank-side Trees			1			1
WD2 - Woodland improvement	5		1	2		8
Hertfordshire HER	3	27	44	51	2	127
AB1 - Nectar Flower Mix		1	2	2		5
AB11 - Cultivated areas for arable plants			2			2
AB12 - Supplementary winter feeding for farmland birds				1		1
AB15 - Two year sown legume fallow		1				1
AB8 - Flower rich margins and plots		3	3	8		14
AB9 - Winter bird food		2	5	5		12
APO - Additional Parcel Option		6	4	7	2	19
BE3 - Management of hedgerows	1	7	8	4		20
BN10 - Hedgerow Supplement - Top Binding and Staking			1			1
BN6 - Hedgerow Coppicing				1		1

BN7 - Hedgerow Gapping				1		1
FG1 - Fencing				1		1
FG12 - Wooden Field Gate				3		3
FG2 - Sheep netting				1		1
FY1 - Deer high seat / unit				1		1
FY2A - Capital investments to improve access infrastructure to woodlands.			1			1
GS13 - Management of grassland for target features				3		3
GS2 - Permanent grassland with very low inputs (outside SDAs)	1	3	4	4		12
GS3 - Ryegrass seed-set as winter food for birds				1		1
GS7 - Restoration towards species-rich grassland				1		1
LV8 - Pipework for livestock troughs				1		1
PA2 - Feasibility Study				1		1
PA3 - Woodland Management plan/per ha				1		1
RP15 - Concrete yard renewal				1		1
RP27 - Sprayer or applicator load and washdown area/sq m			1			1
SB4 - Chemical Bracken Control				1		1
SW1 - 4-6m buffer strip on cultivated land		3	9	1		13
SW4 - 12-24m watercourse buffer strip on cultivated land		1				1
WD2 - Woodland improvement	1		4	1		6
Humber HER	26	50	118	41		235
AB1 - Nectar Flower Mix	2	4	12	5		23
AB11 - Cultivated areas for arable plants			1			1
AB12 - Supplementary winter feeding for farmland birds	1		2			3
AB14 - Harvested low input cereal		1				1
AB15 - Two year sown legume fallow	1		1			2
AB16 - Autumn Sown BumbleBird Mix		1	3			4
AB2 - Basic Overwinter stubble		3	5	2		10
AB3 - Beetle banks			1			1
AB4 - Skylark Plots			1			1
AB8 - Flower rich margins and plots	2	8	14			24
AB9 - Winter bird food	4	2	10	4		20
APO - Additional Parcel Option	8	4	25	5		42
BE2 - Protection of in-field trees on intensive grassland			1			1
BE3 - Management of hedgerows	7	17	19	9		52
BN5 - Hedgerow laying			1			1
BN7 - Hedgerow Gapping				3		3
ED1 - Educational Access		1				1
FG12 - Wooden Field Gate			1	1		2
FG2 - Sheep netting				1		1
GS1 - Take field corners and small areas out of management		1				1
GS13 - Management of grassland for target features			2	2		4
GS17 - Lenient Grazing Supplement			2			2

GS2 - Permanent grassland with very low inputs (outside SDAs)	1	1	2	2		6
GS6 - Management of species-rich grassland		1	2			3
PA2 - Feasibility Study				1		1
PA3 - Woodland Management plan/per ha			1			1
RP15 - Concrete yard renewal				1		1
SW1 - 4-6m buffer strip on cultivated land		5	8	1		14
SW3 - In-field grass strips			1			1
SW4 - 12-24m watercourse buffer strip on cultivated land				1		1
TE4A - Woodland Tree Planting - Biodiversity				2		2
TE4B - Woodland Tree Planting - Improving water quality or reducing flood risk				1		1
WT12 - Wetland grazing supplement		1				1
WT2 - Buffering in-field ponds and ditches on arable land			3			3
Isle of Wight HER		3	2	9		14
APO - Additional Parcel Option				2		2
BE3 - Management of hedgerows		1		2		3
BN7 - Hedgerow Gapping				1		1
GS2 - Permanent grassland with very low inputs (outside SDAs)			1	1		2
GS6 - Management of species-rich grassland			1			1
GS7 - Restoration towards species-rich grassland				1		1
PA3 - Woodland Management plan/per ha				1		1
SW1 - 4-6m buffer strip on cultivated land		1				1
SW3 - In-field grass strips				1		1
WD2 - Woodland improvement		1				1
Kent HER	2	13	18	12	1	46
AB1 - Nectar Flower Mix		1	1			2
AB10 - Unharvested cereal headland		1				1
AB11 - Cultivated areas for arable plants		1	2			3
AB5 - Nesting Plots for Lapwing		1				1
AB8 - Flower rich margins and plots		1	2			3
AB9 - Winter bird food				1		1
APO - Additional Parcel Option		2	5	2		9
BN11 - Planting new hedges				1		1
CT1 - Management of coastal sand dunes and vegetated shingle	1					1
FG11 - Deer enclosure plot/unit			1			1
FG12 - Wooden Field Gate			1			1
GS10 - Management of wet grassland for wintering waders and wildfowl	1					1
GS13 - Management of grassland for target features			1			1
GS2 - Permanent grassland with very low inputs (outside SDAs)		2	3	5		10
GS6 - Management of species-rich grassland		1		1		2
GS8 - Creation of species-rich grassland			1			1
PA2 - Feasibility Study					1	1
SW1 - 4-6m buffer strip on cultivated land		2				2

SW5 - Enhanced management of maize crops		1				1
WB1 - Small Wildlife Box				1		1
WD2 - Woodland improvement				1		1
WD4 - Management of wood pasture and parkland			1			1
Lake District HER		2	24	62	2	90
APO - Additional Parcel Option			1	5	2	8
BE3 - Management of hedgerows			1	1		2
BN12 - Stone Wall Restoration			2	3		5
BN5 - Hedgerow laying				1		1
CT3 - Management of coastal saltmarsh				1		1
FG1 - Fencing			1			1
FG12 - Wooden Field Gate			3	2		5
FG2 - Sheep netting			3	3		6
GS17 - Lenient Grazing Supplement				5		5
GS5 - Permanent grassland with very low inputs in SDA				3		3
PA2 - Feasibility Study				1		1
PA3 - Woodland Management plan/per ha			2	2		4
RP15 - Concrete yard renewal			4	3		7
RP28 - Roofing (sprayer washdown area, manure storage area, ...)			1	2		3
RP5 - Cross drains/unit				1		1
SP8 - Native breeds at risk supplement				1		1
SW9 - Seasonal livestock removal on intensive grassland		1				1
UP1 - Enclosed rough grazing				3		3
WB2 - Medium Wildlife Box				1		1
WD2 - Woodland improvement		1	3	24		28
WD7 - Management of successional areas and scrub			2			2
WD8 - Creation of successional areas and scrub			1			1
Lancashire HER				1		1
AB9 - Winter bird food				1		1
Leicestershire and Rutland HER	10	52	81	80	1	224
AB1 - Nectar Flower Mix			1	3		4
AB10 - Unharvested cereal headland		1				1
AB3 - Beetle banks		1				1
AB6 - Enhanced overwinter stubble			1			1
AB8 - Flower rich margins and plots		1		4		5
AB9 - Winter bird food			1	1		2
APO - Additional Parcel Option		1	12	3		16
BE2 - Protection of in-field trees on intensive grassland	1					1
BE3 - Management of hedgerows	5	18	15	12		50
BN10 - Hedgerow Supplement - Top Binding and Staking			3	4		7
BN11 - Planting new hedges			2			2
BN5 - Hedgerow laying			1			1
BN6 - Hedgerow Coppicing				1		1
FG11 - Deer enclosure plot/unit				1		1
FG12 - Wooden Field Gate				3		3

FG2 - Sheep netting			2	8		10
FG3 - Permanent electric fencing				1		1
GS1 - Take field corners and small areas out of management				1		1
GS13 - Management of grassland for target features		2				2
GS15 - Haymaking supplement		1				1
GS17 - Lenient Grazing Supplement			2	1		3
GS2 - Permanent grassland with very low inputs (outside SDAs)	3	22	30	26		81
GS6 - Management of species-rich grassland		2	3			5
GS9 - Management of wet grassland for breeding waders				1		1
LV3 - Hard bases for livestock drinkers				1		1
OR1 - Organic conversion - improved permanent grassland				2		2
OT1 - Organic land management - improved permanent grassland		2	3			5
OT3 - Organic Land Management - rotational land			1			1
PA2 - Feasibility Study			1			1
PA3 - Woodland Management plan/per ha					1	1
SB3 - Tree removal				1		1
SW1 - 4-6m buffer strip on cultivated land		1	2	3		6
WD2 - Woodland improvement			1	3		4
WT1 - Buffering in field ponds and ditches in improved grassland	1					1
Lincolnshire HER	8	55	128	99		290
AB1 - Nectar Flower Mix		1	2	3		6
AB11 - Cultivated areas for arable plants			1			1
AB12 - Supplementary winter feeding for farmland birds			1	2		3
AB15 - Two year sown legume fallow		1	2	2		5
AB16 - Autumn Sown BumbleBird Mix			1	1		2
AB2 - Basic Overwinter stubble	1		2			3
AB6 - Enhanced overwinter stubble			1			1
AB8 - Flower rich margins and plots	1	5	15	5		26
AB9 - Winter bird food		4	4	4		12
APO - Additional Parcel Option	1	7	23	13		44
BE3 - Management of hedgerows	1	10	25	26		62
BN11 - Planting new hedges				1		1
BN6 - Hedgerow Coppicing				1		1
BN7 - Hedgerow Gapping			1	1		2
FG1 - Fencing			1			1
FG11 - Deer enclosure plot/unit			4			4
FG2 - Sheep netting			1			1
FG3 - Permanent electric fencing				1		1
GS10 - Management of wet grassland for wintering waders and wildfowl				1		1
GS17 - Lenient Grazing Supplement				5		5
GS2 - Permanent grassland with very low inputs (outside SDAs)	4	7	22	22		55

GS6 - Management of species-rich grassland			1	1		2
LH1 - Management of lowland heathland				1		1
OT1 - Organic land management - improved permanent grassland			1			1
OT3 - Organic Land Management - rotational land			1			1
SW1 - 4-6m buffer strip on cultivated land		15	19	7		41
SW4 - 12-24m watercourse buffer strip on cultivated land		1				1
TE4C - Woodland Tree Planting - Restock after a tree health issue				2		2
WD1 - Woodland creation - maintenance payments		1				1
WD2 - Woodland improvement		3				3
Merseyside HER			1			1
SW1 - 4-6m buffer strip on cultivated land			1			1
Milton Keynes HER		1	2			3
AB9 - Winter bird food		1				1
BE3 - Management of hedgerows			1			1
RP12 - Check dams and woody debris dams			1			1
Norfolk HER	7	85	134	86	4	316
AB1 - Nectar Flower Mix		4	4	3		11
AB10 - Unharvested cereal headland				1		1
AB11 - Cultivated areas for arable plants			3	3		6
AB12 - Supplementary winter feeding for farmland birds		1	4	2		7
AB15 - Two year sown legume fallow			2			2
AB16 - Autumn Sown BumbleBird Mix				1		1
AB2 - Basic Overwinter stubble		1	1			2
AB6 - Enhanced overwinter stubble				1		1
AB8 - Flower rich margins and plots	1	3	4	1		9
AB9 - Winter bird food	1	10	4	6		21
APO - Additional Parcel Option		23	33	23	4	83
BE3 - Management of hedgerows	2	12	26	10		50
BN11 - Planting new hedges			2	1		3
BN5 - Hedgerow laying			1			1
BN6 - Hedgerow Coppicing			1			1
FG1 - Fencing			2	1		3
FG12 - Wooden Field Gate			1	2		3
FG2 - Sheep netting			1			1
FM2 - Major preparatory work for Priority Habitats (creation and restoration) and Priority Species			2			2
FY1 - Deer high seat / unit				1		1
GS1 - Take field corners and small areas out of management		1	1			2
GS10 - Management of wet grassland for wintering waders and wildfowl			1			1
GS13 - Management of grassland for target features		3	8	6		17
GS14 - Creation of grassland for target features				1		1
GS17 - Lenient Grazing Supplement			2			2

GS2 - Permanent grassland with very low inputs (outside SDAs)	2	14	19	9		44
GS6 - Management of species-rich grassland				1		1
GS9 - Management of wet grassland for breeding waders			1	2		3
LH1 - Management of lowland heathland			2			2
OP2 - Wild bird seed mixture			1			1
OP3 - Supplementary feeding for farmland birds		1				1
OR2 - Organic conversion - unimproved permanent grassland			1			1
OT1 - Organic land management - improved permanent grassland		1				1
PA3 - Woodland Management plan/per ha			1	7		8
SP9 - Threatened species supplement			1			1
SW1 - 4-6m buffer strip on cultivated land		4	2			6
SW3 - In-field grass strips		2	1	2		5
SW4 - 12-24m watercourse buffer strip on cultivated land		1				1
WD2 - Woodland improvement	1	4	1			6
WD5 - Restoration of wood pasture and parkland				1		1
WD7 - Management of successional areas and scrub			1			1
WT11 - Wetland cutting supplement				1		1
North East Lincolnshire HER			3	5		8
APO - Additional Parcel Option			1			1
BE3 - Management of hedgerows			2	3		5
GS2 - Permanent grassland with very low inputs (outside SDAs)				2		2
North Lincolnshire HER	1	15	11	11		38
AB1 - Nectar Flower Mix	1		1			2
AB15 - Two year sown legume fallow			1			1
AB16 - Autumn Sown BumbleBird Mix				1		1
AB2 - Basic Overwinter stubble		1				1
AB5 - Nesting Plots for Lapwing			1			1
AB6 - Enhanced overwinter stubble				1		1
AB8 - Flower rich margins and plots		3	2			5
AB9 - Winter bird food		2		3		5
APO - Additional Parcel Option		1	1	1		3
BE3 - Management of hedgerows		4	2			6
BN5 - Hedgerow laying				1		1
GS13 - Management of grassland for target features			1	1		2
GS17 - Lenient Grazing Supplement				2		2
GS2 - Permanent grassland with very low inputs (outside SDAs)			1			1
SW1 - 4-6m buffer strip on cultivated land		4	1	1		6
North York Moors National Park HER	8	8	24	20	1	61
AB12 - Supplementary winter feeding for farmland birds			1			1
AB2 - Basic Overwinter stubble		1				1
AB9 - Winter bird food	1					1

APO - Additional Parcel Option			3	7	1	11
BE3 - Management of hedgerows	1	5	5	1		12
BN11 - Planting new hedges				1		1
BN12 - Stone Wall Restoration				2		2
FG1 - Fencing				1		1
FG12 - Wooden Field Gate			2	2		4
GS13 - Management of grassland for target features		1	1			2
GS2 - Permanent grassland with very low inputs (outside SDAs)	1		4	2		7
GS5 - Permanent grassland with very low inputs in SDA			3			3
OT1 - Organic land management - improved permanent grassland	1	1	1			3
PA3 - Woodland Management plan/per ha				1		1
SP3 - Bracken control supplement				2		2
SW2 - 4-6m buffer strip on intensive grassland	1					1
UP3 - Management of Moorland				1		1
WD2 - Woodland improvement	3		4			7
North Yorkshire HER	14	57	143	122	1	337
AB1 - Nectar Flower Mix		4	5	1		10
AB12 - Supplementary winter feeding for farmland birds				3		3
AB13 - Brassica fodder crop		1				1
AB15 - Two year sown legume fallow			1			1
AB2 - Basic Overwinter stubble		1	3	2		6
AB7 - Wholecrop cereals				1		1
AB8 - Flower rich margins and plots		1	2	2		5
AB9 - Winter bird food		4	2	4		10
APO - Additional Parcel Option	1	5	23	11		40
BE1 - Protection of in-field trees on arable land		1				1
BE2 - Protection of in-field trees on intensive grassland			2	1		3
BE3 - Management of hedgerows	7	21	29	16		73
BN10 - Hedgerow Supplement - Top Binding and Staking			2			2
BN11 - Planting new hedges				5		5
BN12 - Stone Wall Restoration			8	12	1	21
BN13 - Stone Wall - Top Wiring				1		1
BN5 - Hedgerow laying			1	2		3
BN6 - Hedgerow Coppicing				1		1
BN7 - Hedgerow Gapping			1	3		4
FG1 - Fencing			1	2		3
FG12 - Wooden Field Gate			1	3		4
FG2 - Sheep netting			1	4		5
FG3 - Permanent electric fencing			1	1		2
FM2 - Major preparatory work for Priority Habitats (creation and restoration) and Priority Species			1			1
GS13 - Management of grassland for target features		1				1
GS14 - Creation of grassland for target features		1				1

GS15 - Haymaking supplement		1	1	1		3
GS16 - Rush infestation control supplement			1	2		3
GS17 - Lenient Grazing Supplement		2	3	1		6
GS2 - Permanent grassland with very low inputs (outside SDAs)	4	11	27	22		64
GS5 - Permanent grassland with very low inputs in SDA		1	5	3		9
GS6 - Management of species-rich grassland	2		1	2		5
LV3 - Hard bases for livestock drinkers				2		2
LV4 - Hard bases for livestock feeders				1		1
LV7 - Livestock troughs				1		1
OT2 - Organic Land Management - unimproved permanent grassland				1		1
RP1 - Resurfacing of gateways				1		1
RP15 - Concrete yard renewal			2	2		4
RP18 - Above ground tanks				1		1
RP28 - Roofing (sprayer washdown area, manure storage area, ...)				1		1
RP4 - Livestock and machinery hardcore tracks			1			1
RP5 - Cross drains/unit			1			1
SP6 - Cattle grazing supplement				1		1
SW1 - 4-6m buffer strip on cultivated land		1	6			7
SW2 - 4-6m buffer strip on intensive grassland		1	2			3
SW3 - In-field grass strips			1	1		2
SW4 - 12-24m watercourse buffer strip on cultivated land				1		1
UP2 - Management of rough grazing for birds				2		2
UP3 - Management of Moorland			1			1
WD1 - Woodland creation - maintenance payments			1			1
WD2 - Woodland improvement			5	1		6
WD7 - Management of successional areas and scrub			1			1
Northamptonshire HER	15	59	109	98	2	283
AB1 - Nectar Flower Mix		1	2	3		6
AB11 - Cultivated areas for arable plants				1		1
AB12 - Supplementary winter feeding for farmland birds		1	1	2		4
AB16 - Autumn Sown BumbleBird Mix		1	1			2
AB6 - Enhanced overwinter stubble				1		1
AB8 - Flower rich margins and plots	1	2	2	3		8
AB9 - Winter bird food			5	7		12
APO - Additional Parcel Option		10	27	10	2	49
BE1 - Protection of in-field trees on arable land		1				1
BE3 - Management of hedgerows	1	15	17	20		53
BN10 - Hedgerow Supplement - Top Binding and Staking			3	2		5
BN11 - Planting new hedges			2	5		7
BN5 - Hedgerow laying			1	2		3
BN6 - Hedgerow Coppicing			1	1		2
BN7 - Hedgerow Gapping			1			1
FG1 - Fencing			1	2		3

FG2 - Sheep netting			3	4		7
FG3 - Permanent electric fencing				1		1
GS13 - Management of grassland for target features		5	4			9
GS15 - Haymaking supplement		1				1
GS17 - Lenient Grazing Supplement		2	5	1		8
GS2 - Permanent grassland with very low inputs (outside SDAs)	11	13	26	27		77
GS4 - Legume and herb-rich swards			1			1
LV8 - Pipework for livestock troughs				1		1
OP2 - Wild bird seed mixture			1			1
SW1 - 4-6m buffer strip on cultivated land		6	5	3		14
SW11 - Riparian management strip	1					1
SW6 - Winter cover crops		1				1
WD1 - Woodland creation - maintenance payments				1		1
WD2 - Woodland improvement	1			1		2
Northumberland HER	3	14	76	60	1	154
AB1 - Nectar Flower Mix		1				1
AB11 - Cultivated areas for arable plants			1			1
AB12 - Supplementary winter feeding for farmland birds			1	2		3
AB9 - Winter bird food		1		1		2
APO - Additional Parcel Option			5	5	1	11
BE3 - Management of hedgerows		6	11	4		21
BN10 - Hedgerow Supplement - Top Binding and Staking				1		1
BN11 - Planting new hedges				2		2
BN12 - Stone Wall Restoration			3	9		12
BN2 - Stone faced bank restoration			1			1
BN7 - Hedgerow Gapping			1			1
FG1 - Fencing			1	1		2
FG12 - Wooden Field Gate			1	1		2
FG2 - Sheep netting			1			1
GS10 - Management of wet grassland for wintering waders and wildfowl			3			3
GS13 - Management of grassland for target features		1	3	2		6
GS15 - Haymaking supplement			1			1
GS16 - Rush infestation control supplement			1			1
GS17 - Lenient Grazing Supplement		1	9	5		15
GS2 - Permanent grassland with very low inputs (outside SDAs)	3		17	11		31
GS5 - Permanent grassland with very low inputs in SDA		1	1	1		3
GS6 - Management of species-rich grassland				2		2
GS7 - Restoration towards species-rich grassland			1			1
OR2 - Organic conversion - unimproved permanent grassland			1			1
OT1 - Organic land management - improved permanent grassland		1	1			2
OT2 - Organic Land Management - unimproved			1			1

permanent grassland						
RP5 - Cross drains/unit			1			1
SB4 - Chemical Bracken Control				1		1
SP3 - Bracken control supplement			2			2
SP6 - Cattle grazing supplement		1	2	3		6
SW1 - 4-6m buffer strip on cultivated land				1		1
SW14 - Nil fertiliser supplement			1			1
SW2 - 4-6m buffer strip on intensive grassland				1		1
UP2 - Management of rough grazing for birds		1		2		3
WD1 - Woodland creation - maintenance payments			1			1
WD2 - Woodland improvement			4	5		9
Nottinghamshire HER	3	16	31	26	2	78
AB1 - Nectar Flower Mix	1		2	1		4
AB12 - Supplementary winter feeding for farmland birds				1		1
AB16 - Autumn Sown BumbleBird Mix			1			1
AB2 - Basic Overwinter stubble		1	1			2
AB8 - Flower rich margins and plots				7		7
AB9 - Winter bird food		1	2			3
APO - Additional Parcel Option		2	8	10	2	22
BE3 - Management of hedgerows		4	4	1		9
BN10 - Hedgerow Supplement - Top Binding and Staking			1	2		3
BN7 - Hedgerow Gapping				1		1
FG1 - Fencing				1		1
FG10 - Temporary deer fencing / m			1			1
GS13 - Management of grassland for target features			1			1
GS17 - Lenient Grazing Supplement			1			1
GS2 - Permanent grassland with very low inputs (outside SDAs)	1	1	4			6
SW1 - 4-6m buffer strip on cultivated land	1	6	5	2		14
WD2 - Woodland improvement		1				1
Oxfordshire HER	11	41	58	87	6	203
AB1 - Nectar Flower Mix	1	2	1	6		10
AB10 - Unharvested cereal headland			3			3
AB11 - Cultivated areas for arable plants		2	1	1		4
AB12 - Supplementary winter feeding for farmland birds		1	1			2
AB15 - Two year sown legume fallow		1	1	3		5
AB16 - Autumn Sown BumbleBird Mix			1	1		2
AB2 - Basic Overwinter stubble		1	1	2		4
AB3 - Beetle banks				1		1
AB4 - Skylark Plots			1			1
AB6 - Enhanced overwinter stubble				1		1
AB8 - Flower rich margins and plots		1	5	5		11
AB9 - Winter bird food	2	4	2	8		16
APO - Additional Parcel Option		1	9	12	5	27
BE3 - Management of hedgerows		16	5	14		35
BN11 - Planting new hedges			1			1

BN6 - Hedgerow Coppicing			1	1		2
FG1 - Fencing				1		1
FG2 - Sheep netting			1	3		4
GS1 - Take field corners and small areas out of management		1				1
GS13 - Management of grassland for target features	1		2			3
GS15 - Haymaking supplement			1	1		2
GS17 - Lenient Grazing Supplement				2		2
GS2 - Permanent grassland with very low inputs (outside SDAs)	4	6	8	11		29
GS6 - Management of species-rich grassland			1	2		3
OP1 - Overwintered stubble				1		1
OP5 - Undersown cereal				1		1
OT1 - Organic land management - improved permanent grassland		1				1
OT2 - Organic Land Management - unimproved permanent grassland			1			1
OT3 - Organic Land Management - rotational land	2		1			3
PA3 - Woodland Management plan/per ha			1		1	2
RP4 - Livestock and machinery hardcore tracks				1		1
SB1B - Scrub Control and Felling Diseased Trees			1			1
SW1 - 4-6m buffer strip on cultivated land	1	3	5	4		13
SW16 - Flood mitigation on permanent grassland				1		1
SW3 - In-field grass strips			1			1
SW4 - 12-24m watercourse buffer strip on cultivated land				1		1
TE11B - Tree surgery				1		1
WB1 - Small Wildlife Box				1		1
WD1 - Woodland creation - maintenance payments				1		1
WD2 - Woodland improvement		1	2			3
Peterborough City HER		1	1	3	1	6
APO - Additional Parcel Option					1	1
BE3 - Management of hedgerows		1	1	1		3
BN11 - Planting new hedges				1		1
SW1 - 4-6m buffer strip on cultivated land				1		1
Shropshire HER	6	42	87	81	1	217
AB1 - Nectar Flower Mix			1			1
AB13 - Brassica fodder crop			1			1
AB14 - Harvested low input cereal			1			1
AB2 - Basic Overwinter stubble		2				2
AB7 - Wholecrop cereals			1			1
AB8 - Flower rich margins and plots		1				1
AB9 - Winter bird food		1		2		3
APO - Additional Parcel Option		4	7	8		19
BE2 - Protection of in-field trees on intensive grassland		1		1		2
BE3 - Management of hedgerows	2	11	14	19		46
BE4 - Management of traditional orchards		1				1

BE5 - Creation of traditional orchards			1			1
BN10 - Hedgerow Supplement - Top Binding and Staking			4	2		6
BN11 - Planting new hedges			1	2		3
BN5 - Hedgerow laying			4	3		7
BN6 - Hedgerow Coppicing			2			2
BN7 - Hedgerow Gapping			2	1		3
FG1 - Fencing				1		1
FG12 - Wooden Field Gate			2			2
FG2 - Sheep netting			4	8		12
GS1 - Take field corners and small areas out of management	1					1
GS13 - Management of grassland for target features		2	1	1		4
GS15 - Haymaking supplement		1	1	1		3
GS17 - Lenient Grazing Supplement		1		2		3
GS2 - Permanent grassland with very low inputs (outside SDAs)	1	11	21	14		47
GS4 - Legume and herb-rich swards		1				1
GS5 - Permanent grassland with very low inputs in SDA			2	1		3
GS6 - Management of species-rich grassland		1	2	1		4
LV4 - Hard bases for livestock feeders				1		1
LV8 - Pipework for livestock troughs				1		1
OR1 - Organic conversion - improved permanent grassland				2		2
OT1 - Organic land management - improved permanent grassland			1			1
OT2 - Organic Land Management - unimproved permanent grassland				1		1
OT3 - Organic Land Management - rotational land	1	2	1			4
PA3 - Woodland Management plan/per ha			1	2	1	4
RP13 - Yard - underground drainage pipework			3			3
RP14 - Yard inspection pit			2			2
RP15 - Concrete yard renewal			1	1		2
RP4 - Livestock and machinery hardcore tracks			1			1
SW1 - 4-6m buffer strip on cultivated land			4			4
SW11 - Riparian management strip	1					1
SW2 - 4-6m buffer strip on intensive grassland		2				2
SW6 - Winter cover crops				1		1
TE10 - Coppicing Bank-side Trees				1		1
TE4A - Woodland Tree Planting - Biodiversity				1		1
UP3 - Management of Moorland				1		1
UP6 - Upland livestock exclusion supplement				1		1
WD2 - Woodland improvement			1			1
WN5B - Pond Management - restoration - first 100 sq m				1		1
Somerset HER	14	37	113	100	3	267
AB1 - Nectar Flower Mix		1	1			2
AB10 - Unharvested cereal headland			1			1
AB12 - Supplementary winter feeding for			1			1

farmland birds						
AB2 - Basic Overwinter stubble				1		1
AB8 - Flower rich margins and plots	1					1
AB9 - Winter bird food			3	1		4
APO - Additional Parcel Option		1	5	5	1	12
BE3 - Management of hedgerows	4	8	19	32		63
BE4 - Management of traditional orchards				2		2
BN10 - Hedgerow Supplement - Top Binding and Staking			1			1
BN4 - Earth Bank Restoration					1	1
BN5 - Hedgerow laying			4	7		11
BN6 - Hedgerow Coppicing			1	1		2
FG1 - Fencing				2		2
FG2 - Sheep netting			7	10		17
GS1 - Take field corners and small areas out of management			1	2		3
GS10 - Management of wet grassland for wintering waders and wildfowl			1	1		2
GS13 - Management of grassland for target features			1	1		2
GS17 - Lenient Grazing Supplement		4	6	7		17
GS2 - Permanent grassland with very low inputs (outside SDAs)	6	8	19	13		46
GS7 - Restoration towards species-rich grassland			2			2
LV3 - Hard bases for livestock drinkers			2	1		3
OP2 - Wild bird seed mixture		1				1
OP3 - Supplementary feeding for farmland birds			1			1
OR1 - Organic conversion - improved permanent grassland			5			5
OR2 - Organic conversion - unimproved permanent grassland			1			1
OR3 - Organic conversion - rotational land			1			1
OT1 - Organic land management - improved permanent grassland	1	6	5			12
OT2 - Organic Land Management - unimproved permanent grassland		2				2
OT3 - Organic Land Management - rotational land		2	6			8
PA1 - Implementation Plan/Unit					1	1
RP1 - Resurfacing of gateways				1		1
RP13 - Yard - underground drainage pipework			1			1
RP15 - Concrete yard renewal			2	4		6
RP28 - Roofing (sprayer washdown area, manure storage area, ...)			3			3
RP4 - Livestock and machinery hardcore tracks			2	1		3
SW1 - 4-6m buffer strip on cultivated land	1	2	8	2		13
SW9 - Seasonal livestock removal on intensive grassland			2			2
TE11B - Tree surgery				1		1
WB1 - Small Wildlife Box				1		1
WD2 - Woodland improvement		1		4		5
WD3 - Woodland edges on arable land		1				1

WD4 - Management of wood pasture and parkland	1		1			2
South Gloucestershire HER		4	7	5		16
AB14 - Harvested low input cereal			2			2
BE3 - Management of hedgerows				4		4
FG1 - Fencing			1			1
GS17 - Lenient Grazing Supplement		4	1			5
GS2 - Permanent grassland with very low inputs (outside SDAs)			2	1		3
OT3 - Organic Land Management - rotational land			1			1
South Yorkshire SMR	1	4	6	8		19
AB10 - Unharvested cereal headland				1		1
AB12 - Supplementary winter feeding for farmland birds	1					1
AB2 - Basic Overwinter stubble		1				1
AB6 - Enhanced overwinter stubble				1		1
AB8 - Flower rich margins and plots			1	1		2
AB9 - Winter bird food			1	1		2
APO - Additional Parcel Option			2			2
BE3 - Management of hedgerows		2	1			3
FG2 - Sheep netting				1		1
PA3 - Woodland Management plan/per ha				1		1
SW1 - 4-6m buffer strip on cultivated land		1	1			2
WB3 - Large Wildlife Box				1		1
WN5B - Pond Management - restoration - first 100 sq m				1		1
Staffordshire HER	4	23	77	43		147
AB10 - Unharvested cereal headland				1		1
AB15 - Two year sown legume fallow				3		3
AB8 - Flower rich margins and plots			2			2
AB9 - Winter bird food		1				1
APO - Additional Parcel Option	1	2	4	13		20
BE3 - Management of hedgerows	2	7	22	6		37
BN11 - Planting new hedges			2			2
BN12 - Stone Wall Restoration			5	2		7
BN13 - Stone Wall - Top Wiring				1		1
BN5 - Hedgerow laying			1			1
FG11 - Deer enclosure plot/unit			1			1
FG12 - Wooden Field Gate				2		2
FG2 - Sheep netting			2			2
FM2 - Major preparatory work for Priority Habitats (creation and restoration) and Priority Species				1		1
GS1 - Take field corners and small areas out of management	1	3		1		5
GS10 - Management of wet grassland for wintering waders and wildfowl				1		1
GS13 - Management of grassland for target features		1	8			9
GS15 - Haymaking supplement			1	1		2
GS17 - Lenient Grazing Supplement			2	2		4

GS2 - Permanent grassland with very low inputs (outside SDAs)		5	14	7		26
GS5 - Permanent grassland with very low inputs in SDA		1	1			2
GS6 - Management of species-rich grassland			3			3
GS9 - Management of wet grassland for breeding waders			1			1
OT1 - Organic land management - improved permanent grassland				1		1
PA2 - Feasibility Study		1	1			2
PA3 - Woodland Management plan/per ha			1	1		2
SW1 - 4-6m buffer strip on cultivated land		2				2
SW2 - 4-6m buffer strip on intensive grassland			2			2
WD2 - Woodland improvement			4			4
Suffolk HER	2	18	27	36	1	84
AB1 - Nectar Flower Mix	2	2	2			6
AB11 - Cultivated areas for arable plants		2		1		3
AB12 - Supplementary winter feeding for farmland birds			2	2		4
AB2 - Basic Overwinter stubble				1		1
AB8 - Flower rich margins and plots		2	1	3		6
AB9 - Winter bird food		1	1			2
APO - Additional Parcel Option		4	6	13	1	24
BE3 - Management of hedgerows		2	4	6		12
BN10 - Hedgerow Supplement - Top Binding and Staking				1		1
GS2 - Permanent grassland with very low inputs (outside SDAs)		3	3	1		7
GS6 - Management of species-rich grassland			1	2		3
OT3 - Organic Land Management - rotational land			2			2
PA3 - Woodland Management plan/per ha				2		2
RP15 - Concrete yard renewal			1			1
SW1 - 4-6m buffer strip on cultivated land			1	1		2
TE4A - Woodland Tree Planting - Biodiversity			1			1
WB3 - Large Wildlife Box				1		1
WD2 - Woodland improvement		2	1	2		5
WN6B - Pond Management - restoration - (areas more than 100 sq m)			1			1
Surrey HER	1	8	11	15		35
AB16 - Autumn Sown BumbleBird Mix		1				1
AB7 - Wholecrop cereals			1			1
AB8 - Flower rich margins and plots			1			1
AB9 - Winter bird food				2		2
APO - Additional Parcel Option				2		2
BE2 - Protection of in-field trees on intensive grassland			1			1
BE3 - Management of hedgerows	1		2			3
FG10 - Temporary deer fencing / m			1			1
FG11 - Deer enclosure plot/unit			1			1
FY1 - Deer high seat / unit				1		1
GS13 - Management of grassland for target		1	1	1		3

features						
GS2 - Permanent grassland with very low inputs (outside SDAs)		1	2	4		7
LH1 - Management of lowland heathland				1		1
OT1 - Organic land management - improved permanent grassland		4				4
RP15 - Concrete yard renewal			1			1
SW1 - 4-6m buffer strip on cultivated land				1		1
SW11 - Riparian management strip				1		1
WD2 - Woodland improvement		1		2		3
Tees Archaeology HER				1		1
GS9 - Management of wet grassland for breeding waders				1		1
Tyne and Wear HER		3	8	2		13
AB6 - Enhanced overwinter stubble			2			2
AB9 - Winter bird food		1				1
BE3 - Management of hedgerows			2			2
BN7 - Hedgerow Gapping				1		1
GS17 - Lenient Grazing Supplement			2			2
GS2 - Permanent grassland with very low inputs (outside SDAs)		1	2			3
SW1 - 4-6m buffer strip on cultivated land		1				1
WT6 - Management of reedbed				1		1
Warwickshire HER	6	32	82	38	6	164
AB1 - Nectar Flower Mix	1	2	2	1		6
AB12 - Supplementary winter feeding for farmland birds		2	1			3
AB13 - Brassica fodder crop			1			1
AB4 - Skylark Plots		1				1
AB8 - Flower rich margins and plots		2	5	2		9
AB9 - Winter bird food			2	1		3
APO - Additional Parcel Option		1	14	3	4	22
BE3 - Management of hedgerows		12	17	10		39
BN11 - Planting new hedges				2		2
BN5 - Hedgerow laying				1		1
BN7 - Hedgerow Gapping			1	2		3
FG1 - Fencing			1	1		2
FG12 - Wooden Field Gate			1			1
FG2 - Sheep netting				2		2
FY1 - Deer high seat / unit			5			5
FY2A - Capital investments to improve access infrastructure to woodlands.			1			1
GS1 - Take field corners and small areas out of management			1			1
GS13 - Management of grassland for target features			2			2
GS17 - Lenient Grazing Supplement		1	1			2
GS2 - Permanent grassland with very low inputs (outside SDAs)	5	5	18	6		34
PA3 - Woodland Management plan/per ha			2		2	4
SW1 - 4-6m buffer strip on cultivated land		5	2			7
SW11 - Riparian management strip		1				1

SW3 - In-field grass strips			1			1
SW9 - Seasonal livestock removal on intensive grassland			1			1
WD2 - Woodland improvement			3	7		10
West Berkshire HER		6	13	28		47
AB12 - Supplementary winter feeding for farmland birds				2		2
AB13 - Brassica fodder crop				1		1
AB5 - Nesting Plots for Lapwing				1		1
AB8 - Flower rich margins and plots			1	3		4
AB9 - Winter bird food			1			1
APO - Additional Parcel Option			1	3		4
BE2 - Protection of in-field trees on intensive grassland			1	1		2
BE3 - Management of hedgerows		1		3		4
BN11 - Planting new hedges				1		1
BN6 - Hedgerow Coppicing				1		1
FG12 - Wooden Field Gate				1		1
FG9 - Woodland Fencing - Deer				1		1
GS13 - Management of grassland for target features			2			2
GS2 - Permanent grassland with very low inputs (outside SDAs)		1	2	3		6
GS6 - Management of species-rich grassland		2	1	2		5
GS7 - Restoration towards species-rich grassland				1		1
OT2 - Organic Land Management - unimproved permanent grassland		1	1			2
PA3 - Woodland Management plan/per ha			1			1
RP13 - Yard - underground drainage pipework				1		1
TE4C - Woodland Tree Planting - Restock after a tree health issue				1		1
WD2 - Woodland improvement			1	2		3
WD4 - Management of wood pasture and parkland			1			1
WD5 - Restoration of wood pasture and parkland		1				1
West Sussex HER	3	24	59	36	1	123
AB10 - Unharvested cereal headland			1			1
AB12 - Supplementary winter feeding for farmland birds		1	1	1		3
AB15 - Two year sown legume fallow		1		1		2
AB8 - Flower rich margins and plots			1	1		2
AB9 - Winter bird food		1	2	2		5
APO - Additional Parcel Option		1	8	3	1	13
BE3 - Management of hedgerows		4	2	6		12
ED1 - Educational Access	1					1
FG1 - Fencing			1			1
FG10 - Temporary deer fencing / m				1		1
FG2 - Sheep netting				1		1
FY1 - Deer high seat / unit			4			4
FY2A - Capital investments to improve access infrastructure to woodlands.			1			1

GS1 - Take field corners and small areas out of management		1				1
GS10 - Management of wet grassland for wintering waders and wildfowl		1	3			4
GS16 - Rush infestation control supplement		1				1
GS17 - Lenient Grazing Supplement			1	2		3
GS2 - Permanent grassland with very low inputs (outside SDAs)		3	12	9		24
LH1 - Management of lowland heathland			1			1
OT1 - Organic land management - improved permanent grassland	1		2	2		5
OT3 - Organic Land Management - rotational land				1		1
PA3 - Woodland Management plan/per ha			2	1		3
SB6A - Rhododendron control				1		1
SB6B - Rhododendron control				1		1
SW1 - 4-6m buffer strip on cultivated land		3	1	1		5
WD2 - Woodland improvement	1	5	16	2		24
WD3 - Woodland edges on arable land		1				1
WD6 - Creation of wood pasture		1				1
West Yorkshire HER			4	2		6
AB1 - Nectar Flower Mix				1		1
BN5 - Hedgerow laying			1			1
GS17 - Lenient Grazing Supplement				1		1
GS2 - Permanent grassland with very low inputs (outside SDAs)			3			3
Wiltshire and Swindon HER	4	27	76	57		164
AB1 - Nectar Flower Mix		1	1	1		3
AB10 - Unharvested cereal headland			1			1
AB15 - Two year sown legume fallow		1				1
AB2 - Basic Overwinter stubble		1	1			2
AB5 - Nesting Plots for Lapwing				1		1
AB6 - Enhanced overwinter stubble		1				1
AB8 - Flower rich margins and plots			6			6
AB9 - Winter bird food		1	2	1		4
APO - Additional Parcel Option			8	4		12
BE3 - Management of hedgerows	1	5	15	13		34
BN12 - Stone Wall Restoration			1			1
ED1 - Educational Access				1		1
FG1 - Fencing			2	2		4
FG12 - Wooden Field Gate			1			1
FG2 - Sheep netting			3	1		4
GS1 - Take field corners and small areas out of management				1		1
GS10 - Management of wet grassland for wintering waders and wildfowl			1	1		2
GS13 - Management of grassland for target features		2	2	5		9
GS17 - Lenient Grazing Supplement	1	2	2	3		8
GS2 - Permanent grassland with very low inputs (outside SDAs)	1	6	23	8		38
GS3 - Ryegrass seed-set as winter food for birds		1				1

GS6 - Management of species-rich grassland			1	2		3
GS7 - Restoration towards species-rich grassland			1			1
OT1 - Organic land management - improved permanent grassland	1	1		5		7
RP4 - Livestock and machinery hardcore tracks				1		1
SW1 - 4-6m buffer strip on cultivated land		5		4		9
SW14 - Nil fertiliser supplement			1			1
SW3 - In-field grass strips				1		1
SW6 - Winter cover crops			1			1
SW9 - Seasonal livestock removal on intensive grassland				1		1
TE4C - Woodland Tree Planting - Restock after a tree health issue				1		1
WD2 - Woodland improvement			3			3
Winchester HER	1		1	2		4
APO - Additional Parcel Option	1					1
FG10 - Temporary deer fencing / m			1			1
GS15 - Haymaking supplement				1		1
SW1 - 4-6m buffer strip on cultivated land				1		1
Worcester City HER		1				1
BE3 - Management of hedgerows		1				1
Worcestershire HER	3	39	103	84	4	233
AB1 - Nectar Flower Mix			1			1
AB11 - Cultivated areas for arable plants			1			1
AB12 - Supplementary winter feeding for farmland birds				1		1
AB15 - Two year sown legume fallow				1		1
AB16 - Autumn Sown BumbleBird Mix			1			1
AB2 - Basic Overwinter stubble			1			1
AB8 - Flower rich margins and plots			1	1		2
AB9 - Winter bird food		1	2	2		5
AC1 - Access Capital Items			1			1
AC2 - Countryside Educational Visits Accreditation Scheme (CEVAS)			2	1		3
APO - Additional Parcel Option		1	9	6	2	18
BE3 - Management of hedgerows	1	18	24	20		63
BE4 - Management of traditional orchards		2	4	5		11
BE5 - Creation of traditional orchards			2	1		3
BN10 - Hedgerow Supplement - Top Binding and Staking			1			1
BN11 - Planting new hedges				1		1
BN5 - Hedgerow laying				2		2
FG1 - Fencing			1	1		2
FG10 - Temporary deer fencing / m				1		1
FG11 - Deer enclosure plot/unit				1		1
FG12 - Wooden Field Gate			3	2		5
FG2 - Sheep netting			3	4		7
FM2 - Major preparatory work for Priority Habitats (creation and restoration) and Priority Species				1		1
FY1 - Deer high seat / unit			1	2		3

FY2A - Capital investments to improve access infrastructure to woodlands.				2		2
GS1 - Take field corners and small areas out of management		1		1		2
GS13 - Management of grassland for target features			1			1
GS15 - Haymaking supplement		2				2
GS17 - Lenient Grazing Supplement		2	1			3
GS2 - Permanent grassland with very low inputs (outside SDAs)	2	4	12	10		28
GS6 - Management of species-rich grassland		2	3			5
GS7 - Restoration towards species-rich grassland		1	2			3
LV7 - Livestock troughs				1		1
OP3 - Supplementary feeding for farmland birds			1			1
OT1 - Organic land management - improved permanent grassland			11	1		12
OT3 - Organic Land Management - rotational land		2	3			5
PA3 - Woodland Management plan/per ha					2	2
RP1 - Resurfacing of gateways			1	1		2
RP13 - Yard - underground drainage pipework				1		1
RP14 - Yard inspection pit			2	2		4
RP15 - Concrete yard renewal			2	4		6
RP24 - Lined biobed plus pesticide loading and washdown area				1		1
SB1D - Scrub Control and Felling Diseased Trees			2			2
SP10 - Administration of group managed agreements supplement			1			1
SW1 - 4-6m buffer strip on cultivated land			1	3		4
TE10 - Coppicing Bank-side Trees				2		2
TE11A - Tree surgery				1		1
WD2 - Woodland improvement		2	1			3
WD7 - Management of successional areas and scrub		1				1
WN5B - Pond Management - restoration - first 100 sq m			1	1		2
Yorkshire Dales HER	7	6	72	88	3	176
APO - Additional Parcel Option			2	7		9
BE2 - Protection of in-field trees on intensive grassland				1		1
BE3 - Management of hedgerows	1		3	4		8
BN11 - Planting new hedges				2		2
BN12 - Stone Wall Restoration			21	31	3	55
BN13 - Stone Wall - Top Wiring			2			2
BN5 - Hedgerow laying			3	2		5
BN6 - Hedgerow Coppicing				1		1
ED1 - Educational Access			1	1		2
FG11 - Deer enclosure plot/unit				1		1
FG12 - Wooden Field Gate				2		2
FG2 - Sheep netting			1	3		4
GS13 - Management of grassland for target features			1	1		2

GS15 - Haymaking supplement		1	8	2		11
GS16 - Rush infestation control supplement			2			2
GS17 - Lenient Grazing Supplement		1	1			2
GS2 - Permanent grassland with very low inputs (outside SDAs)	2	1	5	7		15
GS5 - Permanent grassland with very low inputs in SDA	3	1	6	3		13
GS6 - Management of species-rich grassland			1			1
GS7 - Restoration towards species-rich grassland			2			2
LV3 - Hard bases for livestock drinkers				1		1
OR1 - Organic conversion - improved permanent grassland			1			1
OT1 - Organic land management - improved permanent grassland		1				1
PA1 - Implementation Plan/Unit				2		2
RP1 - Resurfacing of gateways				1		1
RP15 - Concrete yard renewal			2	3		5
RP4 - Livestock and machinery hardcore tracks			1	1		2
SP6 - Cattle grazing supplement			2	4		6
SP8 - Native breeds at risk supplement			1			1
SW2 - 4-6m buffer strip on intensive grassland				1		1
UP1 - Enclosed rough grazing	1		1			2
UP2 - Management of rough grazing for birds				4		4
UP3 - Management of Moorland			2			2
WB1 - Small Wildlife Box				1		1
WD2 - Woodland improvement		1	3	1		5
WD6 - Creation of wood pasture				1		1
Grand Total	297	1200	2708	2460	68	6733

Data for the Peak District National Park is included under relevant counties.

Appendix 6: Funding committed on historic environment options to date, broken down by ALGAO member/HER area (March 2020)

Option	2015	2016	2017	2018	2019	Grand Total
Bath and North East Somerset SMR	£27,625	£13,000	£19,500			£60,125
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£27,625	£13,000	£19,500			£60,125
Bedford Borough HER	£4,875	£25,773	£100,747	£12,850		£144,244
HE1 - Historic and archaeological feature protection.			£25,390			£25,390
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£4,875		£47,125	£11,375		£63,375
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£9,775	£26,818			£36,593
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£15,998	£1,414			£17,412
HS5 - Management of historic and archaeological features on grassland				£1,475		£1,475
Berkshire Archaeology HER		£519				£519
HS5 - Management of historic and archaeological features on grassland		£519				£519
Bristol City Council HER			£69,278			£69,278
HE1 - Historic and archaeological feature protection.			£69,278			£69,278
Buckinghamshire HER	£794	£87,402	£45,500	£31,617		£165,313
HS1 - Maintenance of Weatherproof Traditional Farm Buildings			£45,500	£21,125		£66,625
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£43,669				£43,669
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£16,938		£9,859		£26,797
HS5 - Management of historic and archaeological features on grassland	£794	£26,796		£633		£28,223
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas			£0			£0
Cambridgeshire HER	£52,738	£89,165	£385,669	£83,122	£8,319	£619,013
HE1 - Historic and archaeological feature protection.			£155,679			£155,679
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£17,875	£151,125	£52,000		£221,000
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£64,111	£213	£2,529		£66,853
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features	£36,312		£77,005	£3,555	£8,319	£125,191
HS5 - Management of historic and archaeological features on grassland		£2,220	£1,647			£3,867
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation	£16,426	£4,959		£25,039		£46,423
Central Bedfordshire HER		£18,913	£52,021	£61,778		£132,711
HE1 - Historic and archaeological feature protection.		£11,350				£11,350
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£6,500	£50,375	£60,125		£117,000
HS2 - Take historic and archaeological features currently on		£1,063		£1,381		£2,444

cultivated land out of cultivation.						
HS5 - Management of historic and archaeological features on grassland			£1,646	£272		£1,917
Cheshire HER	£27,927	£186,746	£213,684	£305,925	£252,988	£987,270
HE2 - Historic building restoration					£161,083	£161,083
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£24,375	£162,500	£199,875	£302,250	£17,875	£706,875
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£11,475				£11,475
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features	£2,303					£2,303
HS4 - Scrub control on historic and archaeological features		£1,137		£1,863		£3,000
HS5 - Management of historic and archaeological features on grassland	£1,250	£11,634	£13,809	£1,812		£28,505
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas					£74,030	£74,030
Chichester District HER	£10,186	£16,224	£12,750	£204,901		£244,062
HE1 - Historic and archaeological feature protection.				£9,500		£9,500
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£4,875			£16,250		£21,125
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.	£2,890	£4,080	£12,750	£42,585		£62,305
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features	£2,421	£11,147		£127,905		£141,473
HS5 - Management of historic and archaeological features on grassland		£998		£8,661		£9,659
City of York HER		£11,375		£1,328		£12,703
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£11,375				£11,375
HS5 - Management of historic and archaeological features on grassland				£1,328		£1,328
Colchester HER	£10,067		£4,875	£4,875		£19,817
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£6,500		£4,875	£4,875		£16,250
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation	£3,567					£3,567
Cornwall and Scilly HER	£58,685	£142,263	£211,695	£167,026		£579,668
HE1 - Historic and archaeological feature protection.			£1,050			£1,050
HE3 - Removal of eyesore			£2,610	£290		£2,900
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£58,500	£78,000	£159,250	£110,825		£406,575
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£59,649	£26,988	£40,736		£127,373
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			£2,101			£2,101
HS4 - Scrub control on historic and archaeological features			£3,562	£12,433		£15,995
HS5 - Management of historic and archaeological features on grassland	£185	£4,614	£16,134	£2,742		£23,675
Cumbria HER	£111,646	£230,824	£572,662	£525,223	£52,762	£1,493,116
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£100,750	£160,875	£399,750	£442,000	£39,000	£1,142,375
HS2 - Take historic and archaeological features currently on		£48,301	£150,514	£50,618	£11,326	£260,759

cultivated land out of cultivation.						
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£1,876		£4,262		£6,138
HS4 - Scrub control on historic and archaeological features				£178		£178
HS5 - Management of historic and archaeological features on grassland	£4,166	£13,041	£19,034	£21,762	£2,436	£60,438
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas	£6,730	£6,730	£3,365			£16,825
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation				£6,403		£6,403
Dartmoor National Park HER		£2,447	£17,937	£31,646	£680,119	£732,148
HE2 - Historic building restoration					£680,119	£680,119
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£1,625	£17,875	£22,750		£42,250
HS4 - Scrub control on historic and archaeological features		£822		£8,035		£8,857
HS5 - Management of historic and archaeological features on grassland			£62	£861		£923
Derbyshire HER	£36,618	£48,125	£164,013	£81,637	£1,456,893	£1,787,287
HE2 - Historic building restoration					£1,416,726	£1,416,726
HE3 - Removal of eyesore				£290		£290
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£34,125	£30,875	£113,750	£50,375	£39,000	£268,125
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£149			£149
HS5 - Management of historic and archaeological features on grassland	£2,493	£17,250	£43,385	£30,972	£1,167	£95,267
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas			£6,730			£6,730
Devon HER	£165,240	£431,212	£931,334	£574,789	£40,625	£2,143,199
HE1 - Historic and archaeological feature protection.			£140,933			£140,933
HE3 - Removal of eyesore			£1,450	£290		£1,740
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£87,750	£276,250	£576,875	£528,125	£40,625	£1,509,625
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.	£73,419	£146,285	£187,276	£33,724		£440,704
HS4 - Scrub control on historic and archaeological features				£1,534		£1,534
HS5 - Management of historic and archaeological features on grassland	£24	£5,048	£17,982	£7,751		£30,804
HS6 - Maintenance of designed/engineered water-bodies	£682	£264	£88			£1,034
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas	£3,365	£3,365	£6,730	£3,365		£16,825
Dorset HER	£24,939	£100,172	£623,916	£249,303	£10,765	£1,009,094
HE1 - Historic and archaeological feature protection.			£9,050	£23,090		£32,140
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£11,375	£8,125	£53,625	£30,875		£104,000
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£244,736	£72,293		£317,029
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features	£13,564	£85,679	£170,905	£49,624	£3,298	£323,071

HS4 - Scrub control on historic and archaeological features			£1,206	£12,741	£7,467	£21,413
HS5 - Management of historic and archaeological features on grassland		£6,368	£4,365	£3,023		£13,755
HS7 - Management of historic water meadows through traditional irrigation			£136,664			£136,664
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas			£3,365	£10,095		£13,460
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation				£47,563		£47,563
Durham HER	£21,125	£41,245	£88,133	£18,350	£50,550	£219,403
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£21,125	£37,375	£58,500	£6,500	£48,750	£172,250
HS5 - Management of historic and archaeological features on grassland		£3,870	£13,392	£11,850	£1,800	£30,912
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas			£3,365			£3,365
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation			£12,876			£12,876
East Sussex HER	£3,319	£7,372	£36,431	£8,864	£6,320	£62,305
HE1 - Historic and archaeological feature protection.	£3,319		£19,528			£22,847
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£6,500	£16,250	£3,250		£26,000
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.				£2,210		£2,210
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features				£3,389	£6,320	£9,709
HS5 - Management of historic and archaeological features on grassland		£872	£653	£15		£1,539
Essex HER	£21,125	£157,590	£55,596	£42,550	£3,627	£280,487
HE1 - Historic and archaeological feature protection.		£3,000				£3,000
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£21,125	£118,625	£55,250	£26,000	£3,250	£224,250
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£35,275				£35,275
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			£59	£751		£810
HS5 - Management of historic and archaeological features on grassland		£690	£287		£377	£1,353
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation				£15,799		£15,799
Exmoor National Park HER			£55,009	£174,810		£229,819
HE1 - Historic and archaeological feature protection.			£1,198	£3,982		£5,180
HS1 - Maintenance of Weatherproof Traditional Farm Buildings			£53,625	£156,000		£209,625
HS4 - Scrub control on historic and archaeological features				£69		£69
HS5 - Management of historic and archaeological features on grassland			£186	£14,760		£14,946
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas				£0		£0
Gloucestershire HER (including City of Gloucester)	£16,250	£196,983	£274,248	£92,450	£6,730	£586,660
HE1 - Historic and archaeological		£7,515				£7,515

feature protection.						
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£16,250	£43,875	£99,125	£39,000		£198,250
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£87,954	£81,643	£13,324		£182,920
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£20,753	£71,100	£3,891		£95,744
HS4 - Scrub control on historic and archaeological features				£130		£130
HS5 - Management of historic and archaeological features on grassland		£17,522	£22,380	£4,013		£43,914
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas		£3,365		£3,365	£6,730	£13,460
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation		£15,999		£28,727		£44,727
Greater Manchester HER		£12,007	£22,863	£3,250		£38,119
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£1,625	£3,250	£3,250		£8,125
HS5 - Management of historic and archaeological features on grassland		£10,382	£19,613			£29,994
Hampshire Archaeology and Historic Buildings Record	£25,173	£60,942	£120,325	£38,341		£244,782
HE1 - Historic and archaeological feature protection.		£3,050				£3,050
HS1 - Maintenance of Weatherproof Traditional Farm Buildings				£26,000		£26,000
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£34,149	£29,580	£5,971		£69,700
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features	£25,173	£23,743	£88,606	£5,992		£143,515
HS5 - Management of historic and archaeological features on grassland			£2,139	£378		£2,517
Herefordshire HER	£4,875	£85,390	£203,494	£194,665		£488,423
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£4,875	£68,250	£177,125	£191,750		£442,000
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£17,298			£17,298
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			£1,841			£1,841
HS4 - Scrub control on historic and archaeological features				£89		£89
HS5 - Management of historic and archaeological features on grassland		£13,775	£3,866	£2,826		£20,466
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas		£3,365	£3,365			£6,730
Hertfordshire HER	£3,250	£27,625	£118,051	£152,660	£6,500	£308,085
HE1 - Historic and archaeological feature protection.			£26,750	£16,630		£43,380
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£3,250	£27,625	£50,375	£48,750	£6,500	£136,500
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£1,785	£42,330		£44,115
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			£39,141	£43,916		£83,057
HS5 - Management of historic and archaeological features on grassland				£1,034		£1,034

Humber HER	£37,375	£72,501	£193,641	£26,575		£330,092
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£37,375	£71,500	£156,000	£13,000		£277,875
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£13,260	£13,409		£26,669
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			£9,535			£9,535
HS5 - Management of historic and archaeological features on grassland		£1,001	£14,846	£167		£16,013
Isle of Wight HER		£14,625	£8,125	£4,875		£27,625
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£14,625	£8,125	£4,875		£27,625
Kent HER		£89,576	£242,325	£56,603		£388,504
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£1,625		£30,875		£32,500
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£25,118	£79,879	£10,710		£115,706
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£61,845	£161,330	£15,018		£238,193
HS5 - Management of historic and archaeological features on grassland		£989	£1,116			£2,105
Lake District HER	£17,132	£31,136	£53,496	£91,164	£727,248	£920,176
HE1 - Historic and archaeological feature protection.				£25,160		£25,160
HE2 - Historic building restoration					£706,123	£706,123
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£16,250	£29,250	£43,875	£58,500	£21,125	£169,000
HS5 - Management of historic and archaeological features on grassland	£882	£1,886	£9,621	£774		£13,163
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas				£6,730		£6,730
Lancashire HER		£94,575	£238,819	£152,658	£38,784	£524,835
HE3 - Removal of eyesore				£290		£290
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£91,000	£217,750	£120,250	£34,125	£463,125
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.				£12,049		£12,049
HS5 - Management of historic and archaeological features on grassland		£210	£14,339	£16,704	£4,659	£35,912
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas		£3,365	£6,730	£3,365		£13,460
Leicestershire and Rutland HER	£4,539	£30,162	£67,739	£52,370		£154,810
HE3 - Removal of eyesore				£1,450		£1,450
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£3,250	£19,500	£50,375	£47,125		£120,250
HS5 - Management of historic and archaeological features on grassland	£1,289	£10,662	£17,364	£3,795		£33,110
Lincolnshire HER	£462	£126,705	£403,583	£205,394	£23,981	£760,125
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£68,250	£274,625	£123,500	£8,125	£474,500
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£27,965	£96,178	£51,723	£14,918	£190,783
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£14,990	£16,910	£27,488		£59,388
HS4 - Scrub control on historic and			£41	£1,692	£69	£1,802

archaeological features						
HS5 - Management of historic and archaeological features on grassland	£462	£5,426	£15,830	£992		£22,709
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation		£10,075			£870	£10,945
Merseyside HER		£240				£240
HS4 - Scrub control on historic and archaeological features		£240				£240
Milton Keynes HER		£2,350	£7,927			£10,277
HS1 - Maintenance of Weatherproof Traditional Farm Buildings			£6,500			£6,500
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£2,350				£2,350
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation			£1,427			£1,427
Norfolk HER	£32,500	£462,164	£885,059	£445,719	£6,500	£1,831,942
HE1 - Historic and archaeological feature protection.		£14,400	£212,353			£226,753
HE3 - Removal of eyesore			£5,510			£5,510
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£32,500	£414,375	£570,375	£305,500	£6,500	£1,329,250
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£23,439	£86,084	£6,375		£115,898
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£869				£869
HS5 - Management of historic and archaeological features on grassland		£5,781	£447			£6,228
HS6 - Maintenance of designed/engineered water-bodies		£3,300				£3,300
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas			£3,365	£10,095		£13,460
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation			£6,925	£123,749		£130,674
North East Lincolnshire HER			£6,825			£6,825
HS1 - Maintenance of Weatherproof Traditional Farm Buildings			£4,875			£4,875
HS5 - Management of historic and archaeological features on grassland			£1,950			£1,950
North Lincolnshire HER	£8,125	£24,607	£63,476	£5,950		£102,158
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£8,125	£22,750	£8,125			£39,000
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£27,476	£5,950		£33,426
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£1,857	£25,734			£27,591
HS5 - Management of historic and archaeological features on grassland			£2,141			£2,141
North Somerset HER			£26,495	£128,114		£154,609
HE1 - Historic and archaeological feature protection.				£111,864		£111,864
HS1 - Maintenance of Weatherproof Traditional Farm Buildings			£9,750	£16,250		£26,000
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£16,745			£16,745
North York Moors National Park HER	£50,490	£42,434	£41,465	£41,569	£248	£176,205

HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£47,125	£40,625	£29,250	£26,000		£143,000
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£1,509	£191	£425		£2,125
HS5 - Management of historic and archaeological features on grassland		£300	£12,024	£8,414	£248	£20,985
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas	£3,365			£6,730		£10,095
North Yorkshire HER	£89,589	£208,070	£572,120	£398,747	£92,706	£1,361,232
HE1 - Historic and archaeological feature protection.		£31,800		£115,712	£78,935	£226,447
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£71,500	£169,000	£443,625	£260,000	£11,375	£955,500
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£18,976	£1,849		£20,825
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			£50,667	£312		£50,979
HS4 - Scrub control on historic and archaeological features		£144			£651	£795
HS5 - Management of historic and archaeological features on grassland	£7,994	£7,127	£51,600	£20,796	£1,746	£89,262
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas	£10,095		£6,730	£0		£16,825
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation			£522	£78		£600
Northamptonshire HER	£6,500	£142,998	£235,023	£46,087		£430,608
HE1 - Historic and archaeological feature protection.		£28,000	£10,140			£38,140
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£6,500	£74,750	£81,250	£40,625		£203,125
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£84,426			£84,426
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£17,313	£11,775	£4,740		£33,828
HS5 - Management of historic and archaeological features on grassland		£22,935	£21,698	£722		£45,354
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation			£25,735			£25,735
Northumberland HER	£55,338	£322,135	£1,037,319	£635,085	£997,935	£3,047,812
HE1 - Historic and archaeological feature protection.		£1	£69,224	£1,730		£70,955
HE2 - Historic building restoration					£967,102	£967,102
HE3 - Removal of eyesore			£3,480	£1,160		£4,640
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£29,250	£177,125	£477,750	£266,500	£26,000	£976,625
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£24,778	£88,528	£130,815		£244,120
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£18,277	£5,368	£31,932		£55,577
HS5 - Management of historic and archaeological features on grassland	£26,088	£101,955	£266,510	£202,949	£4,833	£602,334
HS6 - Maintenance of designed/engineered water-bodies			£176			£176
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas			£10,095			£10,095

HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation			£116,189			£116,189
Nottinghamshire HER	£58,140	£186,872	£30,836	£35,289	£4,875	£316,012
HE1 - Historic and archaeological feature protection.		£3,627				£3,627
HE3 - Removal of eyesore			£290			£290
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£21,125	£55,250	£29,250	£6,500	£4,875	£117,000
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£53,019		£26,775		£79,794
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£74,868		£435		£75,303
HS4 - Scrub control on historic and archaeological features				£253		£253
HS5 - Management of historic and archaeological features on grassland		£108	£1,296	£1,326		£2,730
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas	£37,015					£37,015
Oxfordshire HER	£31,714	£158,321	£215,438	£204,213		£609,686
HE3 - Removal of eyesore				£290		£290
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£13,000	£81,250	£35,750	£79,625		£209,625
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.	£6,163	£24,459		£3,400		£34,021
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features	£7,288	£46,914	£122,509	£88,259		£264,970
HS4 - Scrub control on historic and archaeological features			£527	£2,302		£2,829
HS5 - Management of historic and archaeological features on grassland	£5,264	£5,699	£8,375	£5,325		£24,662
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation			£48,276	£25,013		£73,289
Peterborough City HER	£8,295	£89,533	£17,875	£6,375		£122,078
HS1 - Maintenance of Weatherproof Traditional Farm Buildings			£17,875			£17,875
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£82,663		£6,375		£89,038
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features	£8,295	£6,462				£14,757
HS5 - Management of historic and archaeological features on grassland		£408				£408
Redcar and Cleveland HER		£3,315				£3,315
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£3,315				£3,315
Shropshire HER	£70,982	£234,242	£464,382	£366,604	£3,250	£1,139,458
HE3 - Removal of eyesore			£290			£290
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£53,625	£169,000	£432,250	£331,500	£3,250	£989,625
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£41,756	£25,670	£1,020		£68,446
HS4 - Scrub control on historic and archaeological features			£41			£41
HS5 - Management of historic and archaeological features on grassland		£2,921	£6,131	£9,296		£18,347

HS6 - Maintenance of designed/engineered water-bodies		£3,740		£4,598		£8,338
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas		£16,825		£20,190		£37,015
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation	£17,357					£17,357
Somerset HER	£16,690	£153,856	£201,371	£436,820	£9,750	£818,487
HE1 - Historic and archaeological feature protection.		£21,210		£230,417		£251,627
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£16,250	£128,375	£159,250	£169,000	£9,750	£482,625
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£23,566	£3,103		£26,669
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£2,358	£656	£18,131		£21,144
HS5 - Management of historic and archaeological features on grassland	£440	£1,913	£17,900	£6,666		£26,918
HS6 - Maintenance of designed/engineered water-bodies				£9,504		£9,504
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas				£0		£0
South Gloucestershire HER	£3,250	£73,731	£28,746	£10,577		£116,304
HE1 - Historic and archaeological feature protection.		£43,276	£2,642			£45,918
HE3 - Removal of eyesore		£2,900				£2,900
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£3,250		£4,875	£1,625		£9,750
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£19,295	£21,229			£40,524
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£4,740				£4,740
HS6 - Maintenance of designed/engineered water-bodies		£3,520				£3,520
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation				£8,952		£8,952
South Yorkshire SMR		£31,573	£97,509	£39,000		£168,082
HE3 - Removal of eyesore			£290			£290
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£27,625	£71,500	£39,000		£138,125
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£23,736			£23,736
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			£1,983			£1,983
HS5 - Management of historic and archaeological features on grassland		£3,948				£3,948
Staffordshire HER	£16,250	£178,710	£132,733	£125,825	£52,718	£506,235
HE1 - Historic and archaeological feature protection.				£1,642		£1,642
HE2 - Historic building restoration					£49,929	£49,929
HE3 - Removal of eyesore			£290			£290
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£16,250	£56,875	£91,000	£74,750	£1,625	£240,500
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£96,475	£1,509	£43,201		£141,185

HS4 - Scrub control on historic and archaeological features				£877		£877
HS5 - Management of historic and archaeological features on grassland		£21,995	£15,101	£5,355	£1,164	£43,614
HS6 - Maintenance of designed/engineered water-bodies			£11,374			£11,374
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas		£3,365	£13,460			£16,825
Suffolk HER		£126,910	£181,730	£188,254	£29,250	£526,144
HE1 - Historic and archaeological feature protection.			£48,000			£48,000
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£125,125	£133,250	£162,500	£29,250	£450,125
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£1,785		£23,120		£24,905
HS5 - Management of historic and archaeological features on grassland			£480	£2,634		£3,114
Surrey HER		£9,750	£16,250	£3,250		£29,250
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£9,750	£16,250	£3,250		£29,250
Tees Archaeology HER			£23,555	£1,209		£24,764
HS4 - Scrub control on historic and archaeological features				£14		£14
HS5 - Management of historic and archaeological features on grassland				£1,196		£1,196
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas			£23,555			£23,555
Tyne and Wear HER		£14,625	£19,621	£1,523		£35,768
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£14,625	£14,625			£29,250
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			£3,259			£3,259
HS5 - Management of historic and archaeological features on grassland			£1,737	£1,523		£3,260
Warwickshire HER	£4,875	£36,917	£77,611	£39,667	£1,625	£160,694
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£4,875	£17,875	£21,125	£11,375	£1,625	£56,875
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£638				£638
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features				£23,700		£23,700
HS4 - Scrub control on historic and archaeological features				£69		£69
HS5 - Management of historic and archaeological features on grassland		£4,944	£11,573	£1,158		£17,675
HS6 - Maintenance of designed/engineered water-bodies			£396			£396
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas		£13,460	£16,825	£3,365		£33,650
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation			£27,692			£27,692
West Berkshire HER		£14,824	£71,815	£99,338	£8,867	£194,844
HE3 - Removal of eyesore				£290		£290
HS1 - Maintenance of Weatherproof Traditional Farm Buildings			£3,250	£27,625		£30,875
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£2,805		£213	£3,018

HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£13,015	£65,760	£66,874	£8,654	£154,303
HS5 - Management of historic and archaeological features on grassland		£1,809		£4,550		£6,359
West Sussex HER		£11,903	£35,982		£4,875	£52,760
HE1 - Historic and archaeological feature protection.			£8,646			£8,646
HS1 - Maintenance of Weatherproof Traditional Farm Buildings					£4,875	£4,875
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£10,221	£6,078			£16,299
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			£21,259			£21,259
HS5 - Management of historic and archaeological features on grassland		£1,682				£1,682
West Yorkshire HER		£16,250	£76,461	£104,000		£196,711
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£16,250	£17,875	£104,000		£138,125
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£58,586			£58,586
Wiltshire and Swindon HER	£1,860	£449,849	£736,629	£433,070	£441	£1,621,849
HE1 - Historic and archaeological feature protection.		£18,035	£7,155	£81,627		£106,817
HE3 - Removal of eyesore			£290	£290		£580
HS1 - Maintenance of Weatherproof Traditional Farm Buildings		£19,500	£87,750	£17,875		£125,125
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£50,448	£121,231	£21,888		£193,566
HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features		£194,518	£407,766	£251,117		£853,401
HS4 - Scrub control on historic and archaeological features			£15,262	£16,385		£31,647
HS5 - Management of historic and archaeological features on grassland	£1,860	£46,425	£97,175	£22,308	£180	£167,948
HS6 - Maintenance of designed/engineered water-bodies		£198				£198
HS7 - Management of historic water meadows through traditional irrigation				£14,850		£14,850
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas		£6,730		£6,730		£13,460
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation		£113,996			£261	£114,257
Winchester HER	£47,916	£2,699	£6,375	£67,284		£124,274
HE1 - Historic and archaeological feature protection.				£25,398		£25,398
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.		£2,699	£6,375	£2,550		£11,624
HS7 - Management of historic water meadows through traditional irrigation	£47,916			£39,336		£87,252
Worcestershire HER	£5,321	£50,329	£136,021	£30,819		£222,490
HE1 - Historic and archaeological feature protection.			£12,000			£12,000
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£0	£47,125	£84,500	£29,250		£160,875
HS2 - Take historic and archaeological features currently on cultivated land out of cultivation.			£18,020			£18,020

HS3 - Reduced depth, non-inversion cultivation on historic and archaeological features			£14,576			£14,576
HS5 - Management of historic and archaeological features on grassland	£5,321	£3,204	£6,926	£729		£16,179
HS9 - Restricted depth crop establishment to protect archaeology under and arable rotation				£840		£840
Yorkshire Dales HER	£60,108	£23,702	£183,517	£282,315	£163,022	£712,663
HE2 - Historic building restoration					£163,022	£163,022
HS1 - Maintenance of Weatherproof Traditional Farm Buildings	£37,375	£16,250	£78,000	£198,250		£329,875
HS5 - Management of historic and archaeological features on grassland	£9,273	£7,452	£58,407	£43,685		£118,817
HS8 - Maintenance of Weatherproof Traditional Farm Buildings in Remote Areas	£13,460		£47,110	£40,380		£100,950
Grand Total	£1,253,905	£5,525,498	£11,237,619	£7,828,298	£4,742,271	£30,587,591

Data for the Peak District National Park is included under relevant counties.

Appendix 7: The comparison of 14 HEFERs to Countryside Stewardship agreements

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
1	South East	2018	Mid Tier	SM HMAA	1006300-11723	GNPS, GRMNT	No	Yes	No	N/A	Uncertain	Yes	No essential requirements
1	South East	2018	Mid Tier	SM HMAA	1006300-11723	GNPS, GRMNT	No	Yes	Yes	AB7 - Wholecrop cereals	No	Yes	No essential requirements
1	South East	2018	Mid Tier	SM HMAA	1006300-11723	GNPS, GRMNT	No	Yes	Yes	AB13 - Brassica fodder crop	Uncertain	No	No essential requirements
1	South East	2018	Mid Tier	SHINE HMAA	WB2165-47670	GRMNT, Identify and address detrimental management and avoid damaging options, GRSG	N/A	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2165-47670	GRMNT, Identify and address detrimental management and avoid damaging options, GRSG	N/A	Yes	Yes	BE3 - Management of hedgerows	Uncertain	Yes	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2165-47670	GRMNT, Identify and address detrimental management and avoid damaging options, GRSG	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2165-47670	GRMNT, Identify and address detrimental management and avoid damaging options, GRSG	N/A	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
1	South East	2018	Mid Tier	SHINE HMAA	WB2165-47670	GRMNT, Identify and address detrimental management and avoid damaging options, GRSG	N/A	Yes	Yes	GS6 - Management of species-rich grassland	Yes	Yes	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2165-47670	GRMNT, Identify and address detrimental management and avoid damaging options, GRSG	N/A	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	OX1832 1-50595	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	AB7 - Wholecrop cereals	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	OX1832 1-50595	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	OX1832 1-50595	Identify and address detrimental management and	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific	Yes	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
						avoid damaging options					advice not provided; not enough information available to assess generic advice		
1	South East	2018	Mid Tier	SHINE HMAA	OX1832 1-50595	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	AB13 - Brassica fodder crop	No	No	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2549 -54044	CUMDP, GRSG, Identify and address detrimental management and avoid damaging options, GRMNT	N/A	Yes	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2549 -54044	CUMDP, GRSG, Identify and address detrimental management and avoid damaging options, GRMNT	N/A	Yes	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2549 -54044	CUMDP, GRSG, Identify and address detrimental management and avoid damaging options, GRMNT	N/A	Yes	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2549 -54044	CUMDP, GRSG, Identify and address detrimental management and avoid damaging	N/A	No	No	N/A	Thin sliver on the edge of record just touches	Thin sliver on the edge of record just	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
						options, GRMNT					this land parcel	touches this land parcel	
1	South East	2018	Mid Tier	SHINE HMAA	WB2549-54044	CUMDP, GRS, Identify and address detrimental management and avoid damaging options, GRMNT	N/A	Yes	Yes	GS6 - Management of species-rich grassland	Yes	Yes	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2547-54045	GNEP, GNPS, Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	GS6 - Management of species-rich grassland	Yes	Yes	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2547-54045	GNEP, GNPS, Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	GS6 - Management of species-rich grassland	Yes	Yes	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2516-54404	BUMC, BUREP	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2557-54408	RAED, RAMR	N/A	Yes	Yes	BE3 - Management of hedgerows	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2557-54408	RAED, RAMR	N/A	Yes	Yes	AB7 - Wholecrop cereals	Thin sliver on the edge of record just	Thin sliver on the edge of record	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
											touches this land parcel	just touches this land parcel	
1	South East	2018	Mid Tier	SHINE HMAA	WB2557-54408	RAED, RAMR	N/A	Yes	Yes	BE3 - Management of hedgerows	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2556-54409	RAED, RAMR	N/A	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2556-54409	RAED, RAMR	N/A	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2556-54409	RAED, RAMR	N/A	Yes	No	N/A	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
1	South East	2018	Mid Tier	SHINE HMAA	WB2550-54421	CUMDP	N/A	Yes	Yes	AB13 - Brassica fodder crop	No	No	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2552-54422	CUAGP, CUMINA	N/A	Yes	Uncertain	Uncertain	No	Uncertain	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2552-54422	CUAGP, CUMINA	N/A	Yes	Yes	BE3 - Management of hedgerows	No	Yes	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2552-54422	CUAGP, CUMINA	N/A	Yes	Yes	BE3 - Management of hedgerows	No	Yes	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2165-54423	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2165-54423	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Uncertain	Yes	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2549-54424	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2549-54424	Identify and address detrimental management and	N/A	Yes	Yes	GS6 - Management of species-	Sliver created by HMAA	Sliver created by	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
						avoid damaging options				rich grassland	processes in SHINE website	HMAA processes in SHINE website	
1	South East	2018	Mid Tier	SHINE HMAA	WB2556-54425	Identify and address detrimental management and avoid damaging options	N/A	Yes	No	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2556-54425	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2556-54425	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
1	South East	2018	Mid Tier	SHINE HMAA	WB2557-54426	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
2	South West	2018	Mid Tier	SHINE HMAA	DV2747 6-61309	GRMNT, GRS, GNPS, CUMINA, CUREV, SCRM	N/A	Yes	Yes	BN5 - Hedgerow laying	Uncertain	Yes	SHINE record, so not applicable
2	South West	2018	Mid Tier	SHINE HMAA	DV2747 6-61309	GRMNT, GRS, GNPS, CUMINA, CUREV, SCRM	N/A	Yes	Yes	BN5 - Hedgerow laying	Uncertain	Yes	SHINE record, so not applicable
2	South West	2018	Mid Tier	SHINE HMAA	DV2747 7-61310	GRMNT, SCRM, CUMINA, CUREV, GNPS, GRS	N/A	Yes	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1684 5-19513	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1684 5-19513	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Uncertain	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1684 5-19513	Identify and address detrimental management and avoid damaging options	N/A	Uncertain as parcel not labelled on HEFER map	No	N/A	Mid Tier agreement so specific advice not provided;	N/A	SHINE record, so not applicable

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											not enough information available to assess generic advice		
3	South West	2018	Mid Tier	SHINE HMAA	CO1684 5-19513	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Uncertain	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1684 5-19513	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Uncertain	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1524 9-40256	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess	Yes	SHINE record, so not applicable

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											generic advice		
3	South West	2018	Mid Tier	SHINE HMAA	CO1524 9-40256	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1524 9-40256	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Uncertain	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1524 9-40256	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1524 9-40256	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable

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											n available to assess generic advice		
3	South West	2018	Mid Tier	SHINE HMAA	CO1524 9-40256	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1524 9-40256	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1524 9-40256	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1524 9-40256	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Uncertain	SHINE record, so not applicable

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											information available to assess generic advice		
3	South West	2018	Mid Tier	SHINE HMAA	CO1524 9-40256	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1524 9-40256	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	Thin sliver on the edge of record just touches this land parcel	N/A	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1535 4-40257	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just touches this land parcel	Uncertain	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1535 4-40257	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Mid Tier agreement so specific advice not provided; not enough information	Uncertain	SHINE record, so not applicable

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											n available to assess generic advice		
3	South West	2018	Mid Tier	SHINE HMAA	CO1535 4-40257	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1535 4-40257	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1539 0-40258	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable

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3	South West	2018	Mid Tier	SHINE HMAA	CO1539 0-40258	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	AB2 - Basic Overwinter stubble	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-40259	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-40259	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-40259	Identify and address detrimental management and avoid damaging	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not	Yes	SHINE record, so not applicable

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						options					provided; not enough information available to assess generic advice		
3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-40259	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-40259	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-40259	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available	Yes	SHINE record, so not applicable

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											to assess generic advice		
3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-40259	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-40259	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-40259	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Uncertain	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-40259	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	Thin sliver on the edge of record just touches this land parcel	N/A	SHINE record, so not applicable

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3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-40259	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1684 5-40260	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Sliver created by HMAA processes in SHINE website	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1684 5-40260	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Uncertain	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1736 0-40261	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1736 0-40261	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1736 0-40261	Identify and address detrimental management and	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific	Yes	SHINE record, so not applicable

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						avoid damaging options					advice not provided; not enough information available to assess generic advice		
3	South West	2018	Mid Tier	SHINE HMAA	CO1736 1-40262	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Uncertain	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1736 1-40262	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Uncertain	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1736 2-40263	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable

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3	South West	2018	Mid Tier	SHINE HMAA	CO1736 3-40264	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1736 3-40264	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1736 4-40265	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1736 5-40266	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1736 5-40266	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable

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3	South West	2018	Mid Tier	SHINE HMAA	CO1736 5-40266	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-67948	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-67948	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1636 8-67948	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic	Yes	SHINE record, so not applicable

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											advice		
3	South West	2018	Mid Tier	SHINE HMAA	CO1844 3-67949	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Uncertain	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1844 3-67949	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
3	South West	2018	Mid Tier	SHINE HMAA	CO1844 3-67949	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable

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4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD9960-4881	GRSG, MUNP, GNEP, MUHMP, MUNBG, GNPS, GNRTS, GRMNT, GNFA	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD7945-25954	Identify and address detrimental management and avoid damaging options	N/A	Yes	No	N/A	N/A	N/A	SHINE record, so not applicable
4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD8938-25955	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	SP6 - Cattle grazing supplement	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD8940-25956	Identify and address detrimental management and avoid damaging options	N/A	Yes	No	N/A	N/A	N/A	SHINE record, so not applicable
4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD1099-6-42365	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	SP6 - Cattle grazing supplement	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable

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4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD1099 8-42366	Identify and address detrimental management and avoid damaging options	N/A	Yes	No	N/A	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	N/A	SHINE record, so not applicable
4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD1099 9-42367	Identify and address detrimental management and avoid damaging options	N/A	Yes	No	N/A	N/A	N/A	SHINE record, so not applicable
4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD1100 0-42368	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD1100 1-42369	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	SP6 - Cattle grazing supplement	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD1144 8-58853	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable

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4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD1144 9-58854	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	GS5 - Permanent grassland with very low inputs in SDA	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD1145 0-58855	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD1145 1-58856	Identify and address detrimental management and avoid damaging options	N/A	Yes	No	N/A	N/A	N/A	SHINE record, so not applicable
4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD1145 2-58857	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	SP6 - Cattle grazing supplement	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
4	Yorkshire	2018	Mid Tier	SHINE HMAA	YD1145 3-58858	Identify and address detrimental management and avoid damaging options	N/A	Yes	No	N/A	N/A	N/A	SHINE record, so not applicable

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5	West Midlands	2015	Higher Tier	SM HMAA	1006078-3853	GRSG, GRMNT, GNPC, GNPS	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	Column not in use in HEFER year
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST8050-5760	GNPS, GNEP, SCRM, Avoid infilling of this historic earthwork feature.	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6954-5761	RAMR, SCRM	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6718-5762	GNPS, GNEP, GRSG	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6718-5764	GNEP, GRSG, GNPS, GNFA, SCRM	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6718-5764	GNEP, GRSG, GNPS, GNFA, SCRM	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST8051-5765	GNEP, GRSG, GNPS, SCRM	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6718-5766	GRSG, GNPS, RAMR, GNFA, GNEP, SCRM	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland	Yes	Yes	SHINE record, so not applicable

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							year			for target features			
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6718-5766	GRSG, GNPS, RAMR, GNFA, GNEP, SCRUM	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6718-5766	GRSG, GNPS, RAMR, GNFA, GNEP, SCRUM	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6718-5768	GRSG, GNFA, GNEP, RAMR, GNPS, SCRUM	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6718-5768	GRSG, GNFA, GNEP, RAMR, GNPS, SCRUM	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6718-5770	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6954-5771	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
												website	
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6718-5787	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6718-5790	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	ST6954-5791	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	SA1162 9-6137	CUMIN, CUAGP	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	SA1162 9-6137	CUMIN, CUAGP	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	SA9593-6138	CUMIN, CUAGP	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
							year						
5	West Midlands	2015	Higher Tier	SHINE HMAA	SA9593-6138	CUMIN, CUAGP	Column not in use in HEFER year	Yes	Yes	AB9 - Winter bird food	Uncertain	Yes	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	SA9593-6139	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
5	West Midlands	2015	Higher Tier	SHINE HMAA	SA9593-6139	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Yes	Yes	AB9 - Winter bird food	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an agreement	SM HMAA	1020275-5628	CUTO	Yes	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA11673-15572	CUAGP, CUMINB	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an	SHINE HMAA	SA11673-15573	CUAGP, CUMDP, CUREV	N/A	Holding did not enter into an	Holding did not enter into an	N/A	N/A	Holding did not enter	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
			agreement					agreement	agreement			into an agreement	
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15574	PKMWO, PKVAT	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15574	PKMWO, PKVAT	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15574	PKMWO, PKVAT	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15574	PKMWO, PKVAT	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15574	PKMWO, PKVAT	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15574	PKMWO, PKVAT	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
			agreement					agreement	agreement			into an agreement	
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15574	PKMWO, PKVAT	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15574	PKMWO, PKVAT	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15574	PKMWO, PKVAT	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15575	PKVAT, RAMR	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15576	PKVAT, RAMR	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an	SHINE HMAA	SA1077 9-15576	PKVAT, RAMR	N/A	Holding did not enter into an	Holding did not enter into an	N/A	N/A	Holding did not enter	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
			agreement					agreement	agreement			into an agreement	
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15576	PKVAT, RAMR	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15576	PKVAT, RAMR	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1167 3-15641	CUMINB, CUAGP	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
6	West Midlands	2016	Holding did not enter into an agreement	SHINE HMAA	SA1077 9-15642	PKVAT, RAMR	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
7	West Midlands	2017	Higher Tier	SM HMAA	1009411 -8456	GNP, GNPS, GNRTS, GRMNT, GRSG	No	Yes	Yes	H55 - Management of historic and archaeological features on grassland	Yes	Yes	No essential requirements
7	West Midlands	2017	Higher Tier	SM HMAA	1412506 -8457	GRSG, GNEP, GRMNT	No	No	No	N/A	Thin sliver on the	Thin sliver on	No essential requirements

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
											edge of record just touches this land parcel	the edge of record just touches this land parcel	
7	West Midlands	2017	Higher Tier	SM HMAA	1009411-8458	Address principle vulnerability	No	Yes	Yes	H55 - Management of historic and archaeological features on grassland	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	No essential requirements
7	West Midlands	2017	Higher Tier	SHINE HMAA	ST8304-32850	WDAW, Should structural remains of the limekiln survive, ensure that they are maintained in sound, stable condition. If in poor condition consider remedial action, including selective felling of trees and/or management of any scrub encroachment on structure	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
7	West Midlands	2017	Higher Tier	SHINE HMAA	ST6086-32851	GRMNT, SCRM, GNPS	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
7	West Midlands	2017	Higher Tier	SHINE HMAA	ST6086-32851	GRMNT, SCRM, GNPS	N/A	Yes	Yes	GS6 - Management of species-rich grassland	Yes	Yes	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
7	West Midlands	2017	Higher Tier	SHINE HMAA	ST8305-32852	GNPS, GRMNT	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
7	West Midlands	2017	Higher Tier	SHINE HMAA	ST8305-32852	GNPS, GRMNT	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
7	West Midlands	2017	Higher Tier	SHINE HMAA	ST8306-32853	GNPS, GRMNT	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
7	West Midlands	2017	Higher Tier	SHINE HMAA	ST8306-32853	GNPS, GRMNT	N/A	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
7	West Midlands	2017	Higher Tier	SHINE HMAA	ST8306-32853	GNPS, GRMNT	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
7	West Midlands	2017	Higher Tier	SHINE HMAA	ST8303-32854	GRMNT, GNPS	N/A	Yes	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
7	West Midlands	2017	Higher Tier	SHINE HMAA	ST8302-32855	GNPS, GRMNT	N/A	Yes	Yes	BE3 - Management of hedgerows	Uncertain	Yes	SHINE record, so not applicable
7	West Midlands	2017	Higher Tier	SHINE HMAA	ST8302-32855	GNPS, GRMNT	N/A	Yes	Yes	BE3 - Management of hedgerows	Uncertain	Yes	SHINE record, so not applicable
7	West Midlands	2017	Higher Tier	SHINE HMAA	ST6086-32861	Identify and address detrimental management and avoid damaging options	N/A	No	No	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
7	West Midlands	2017	Higher Tier	SHINE HMAA	ST6086-32861	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	GS6 - Management of species-rich grassland	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SM HMAA	1006114-3548	BDMNT, GNPS	Column not in use in HEFER year	No	No	N/A	N/A	N/A	Column not in use in HEFER year
8	East Midlands ; West Midlands	2015	Higher Tier	SM HMAA	1006114-3548	BDMNT, GNPS	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	Column not in use in HEFER year
8	East Midlands ; West Midlands	2015	Higher Tier	SM HMAA	1006114-3549	Address principle vulnerability	Column not in use in HEFER year	No	No	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	Column not in use in HEFER year
8	East Midlands ; West Midlands	2015	Higher Tier	SM HMAA	1006114-3549	Address principle vulnerability	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	Column not in use in HEFER year

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
8	East Midlands ; West Midlands	2015	Higher Tier	SM HMAA	1008961-3550	Address principle vulnerability	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	Column not in use in HEFER year
8	East Midlands ; West Midlands	2015	Higher Tier	SM HMAA	1010714-3551	Address principle vulnerability	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	Column not in use in HEFER year
8	East Midlands ; West Midlands	2015	Higher Tier	SM HMAA	1011675-3552	Address principle vulnerability	Column not in use in HEFER year	No	No	N/A	N/A	N/A	Column not in use in HEFER year
8	East Midlands ; West Midlands	2015	Higher Tier	SM HMAA	1011675-3552	Address principle vulnerability	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	Column not in use in HEFER year
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	ST5944-3621	GRSG, GNEP, Identify and address detrimental management and avoid damaging options, GNPS, SCRM, GRMNT	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
8	East Midlands	2015	Higher Tier	SHINE HMAA	ST5944-3621	GRSG, GNEP, Identify and address	Column not in use	No	No	N/A	N/A	N/A	SHINE record, so not

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	; West Midlands					detrimental management and avoid damaging options, GNPS, SCRMT, GRMNT	in HEFER year						applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SM HMAA	1010714-3878	GRSG, GNPS, GRMNT	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	Column not in use in HEFER year
8	East Midlands ; West Midlands	2015	Higher Tier	SM HMAA	1011675-3879	GNPS, GRMNT, GRSG	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	Column not in use in HEFER year
8	East Midlands ; West Midlands	2015	Higher Tier	SM HMAA	1008961-3880	GNPS, GRSG, GRMNT	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	Column not in use in HEFER year
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD535-4043	BDRES, BDMNT, GRSG, GNPS, GNFA, GNEP	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD535-4043	BDRES, BDMNT, GRSG, GNPS, GNFA, GNEP	Column not in use in HEFER year	Uncertain as parcel not	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable

HEFER no.	ALGEO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
	Midlands						year	labelled on HEFER map					
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	Uncertain as parcel not labelled on HEFER map	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	No	No	N/A	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
												parcel	
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRMM	Column not in use in HEFER year	Yes	Yes	H55 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRMM	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRMM	Column not in use in HEFER year	No	No	N/A	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRMM	Column not in use in HEFER year	Yes	Yes	H55 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRMM	Column not in use in HEFER year	Yes	Yes	H55 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable

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8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRMM	Column not in use in HEFER year	Uncertain as parcel not labelled on HEFER map	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRMM	Column not in use in HEFER year	Uncertain as parcel not labelled on HEFER map	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRMM	Column not in use in HEFER year	Yes	Yes	H55 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRMM	Column not in use in HEFER year	Yes	Yes	H55 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRMM	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRMM	Column not in use in HEFER year	Yes	Yes	H55 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East	2015	Higher Tier	SHINE HMAA	PD542-	BDRES, BDMNT,	Column	Yes	Yes	GS13 -	Yes	Yes	SHINE record,

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
	Midlands ; West Midlands				4048	GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	not in use in HEFER year			Management of grassland for target features			so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	No	No	N/A	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Uncertain as parcel not labelled on HEFER map	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
										l features on grassland			
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Uncertain as parcel not labelled on HEFER map	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
										I features on grassland			
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	Yes	No	N/A	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
										l features on grassland			
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	GS6 - Management of species-rich grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD542-4048	BDRES, BDMNT, GRMNT, GRSG, GNPS, GNFA, GNEP, SCRIM	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD605-4057	BUREP, GRSG, GNPS, GNFA, GNEP	Column not in use in HEFER year	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
8	East Midlands	2015	Higher Tier	SHINE HMAA	PD622-4058	GRSG, GNPS, GNFA, GNEP	Column not in use	Yes	Yes	HS5 - Management	Yes	Yes	SHINE record, so not

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	; West Midlands						in HEFER year			of historic and archaeological features on grassland			applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD603-4059	BUREP, GRSG, GNPS, GNFA, GNEP	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD529-4068	GRSG, GNPS, GNFA, GNEP	Column not in use in HEFER year	Yes	Yes	GS13 - Management of grassland for target features	Yes	Yes	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD585-4069	BUREP, GRSG, GNPS, GNFA, GNEP	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD585-4069	BUREP, GRSG, GNPS, GNFA, GNEP	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD585-4069	BUREP, GRSG, GNPS, GNFA, GNEP	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	PD585-4069	BUREP, GRSG, GNPS, GNFA, GNEP	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	ST5944-6404	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	No	No	N/A	Sliver created by HMAA processes in SHINE	Sliver created by HMAA processes	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
											website	s in SHINE website	
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	ST5944-6406	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	No	No	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	ST5944-6407	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	No	No	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	ST5944-6408	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	No	No	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
8	East Midlands ; West Midlands	2015	Higher Tier	SHINE HMAA	ST5944-6408	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	No	No	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
9	East	2015	Mid Tier	SM HMAA	1003983-3906	BDRH, CUTO, GRMNT, GRSG, GNFA, GNEP, GCMP, It appears that this CS agreement would be an extension of a 2006 HLS agreement. Land reverted from arable then should be maintained under grass in this agreement. Please confirm that the eastern boundary of the	Column not in use in HEFER year	Yes	Probably	AB1 - Nectar Flower Mix	No	Yes	Column not in use in HEFER year
9	East	2015	Mid Tier	SM HMAA	1003983-3906	BDRH, CUTO, GRMNT, GRSG, GNFA, GNEP, GCMP, It appears that this CS agreement would be an extension of a 2006 HLS agreement. Land reverted from arable then should be maintained under grass in this agreement. Please confirm that the eastern boundary of the	Column not in use in HEFER year	Yes	Probably	AB1 - Nectar Flower Mix	No	Yes	Column not in use in HEFER year
9	East	2015	Mid Tier	SM HMAA	1003983-3906	BDRH, CUTO, GRMNT, GRSG, GNFA, GNEP, GCMP, It appears that this CS agreement would be an extension of a 2006 HLS agreement. Land	Column not in use in HEFER year	Yes	Probably	AB1 - Nectar Flower Mix	No	Yes	Column not in use in HEFER year

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
						reverted from arable then should be maintained under grass in this agreement. Please confirm that the eastern boundary of the							
9	East	2015	Mid Tier	SM HMAA	1003983-3906	BDRH, CUTO, GRMNT, GRSG, GNFA, GNEP, GCMP, It appears that this CS agreement would be an extension of a 2006 HLS agreement. Land reverted from arable then should be maintained under grass in this agreement. Please confirm that the eastern boundary of the	Column not in use in HEFER year	Yes	Probably	AB1 - Nectar Flower Mix	No	Yes	Column not in use in HEFER year
9	East	2015	Mid Tier	SM HMAA	1003983-3907	BDRH, CUTO, GRMNT, It appears that this CS agreement would be an extension of a 2006 HLS agreement. Land reverted from arable then should be maintained under grass in this agreement. Please confirm that the eastern boundary of the reverted grassland sout	Column not in use in HEFER year	No	No	N/A	N/A	N/A	Column not in use in HEFER year

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	Yes	Yes	GS2 - Permanent grassland with very low inputs (outside SDAs)	Yes	Yes	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	Yes	Yes	GS2 - Permanent grassland with very low inputs (outside SDAs)	Yes	Yes	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
										SDAs)			
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	No	No	N/A	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	Uncertain as parcel not labelled on HEFER map	Uncertain	Uncertain	Uncertain	Uncertain	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	Yes	Yes	GS2 - Permanent grassland with very low inputs (outside SDAs)	Yes	Yes	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7157	GNPS, GNFA, GNRTS, GRMNT, PKVAT	Column not in use in HEFER year	Yes	Yes	GS2 - Permanent grassland with very low inputs (outside SDAs)	Yes	Yes	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
9	East	2015	Mid Tier	SHINE HMAA	NF1397 9-7158	CUAGP, GNFA	Column not in use in HEFER year	Yes	No	N/A	Uncertain	Uncertain	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1397 8-7159	GNFA, CUAGP	Column not in use in HEFER year	Yes	No	N/A	Uncertain	Uncertain	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1397 7-7160	GNFA, MUNP, GNRTS, MUHMP, Slit trenches are often hard to see and can pose a danger to both vehicles and members of the public. As a result, if scrub remains on these features, it would be worth considering leaving it in place. If scrub has been cleared, i	Column not in use in HEFER year	No	No	N/A	N/A	N/A	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7172	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Uncertain as HMAA not labelled on HEFER map	No	N/A	N/A	N/A	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7172	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Uncertain as HMAA not labelled on HEFER map	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7360	Identify and address detrimental	Column not in use	Yes	Uncertain	Uncertain	Sliver created by	Sliver created	SHINE record, so not

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						management and avoid damaging options	in HEFER year				HMAA processes in SHINE website	by HMAA processes in SHINE website	applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7360	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	No	No	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7360	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Uncertain as parcel not labelled on HEFER map	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7360	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7361	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Uncertain as HMAA not labelled on HEFER map	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
												website	
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7361	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Uncertain as HMAA not labelled on HEFER map	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7362	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Uncertain as HMAA not labelled on HEFER map	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7362	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Uncertain as HMAA not labelled on HEFER map	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7362	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Uncertain as HMAA not labelled on HEFER map	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7362	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Uncertain as HMAA not labelled on HEFER map	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7362	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Uncertain as HMAA not labelled on HEFER map	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7363	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Yes	Yes	GS2 - Permanent grassland with very low inputs (outside SDAs)	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7363	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Yes	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7364	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Uncertain as HMAA not labelled on HEFER map	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
											website	s in SHINE website	
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7364	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Uncertain as HMAA not labelled on HEFER map	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
9	East	2015	Mid Tier	SHINE HMAA	NF1392 5-7364	Identify and address detrimental management and avoid damaging options	Column not in use in HEFER year	Uncertain as HMAA not labelled on HEFER map	Uncertain	Uncertain	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	SHINE record, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010 -2075	BDMNT, BDREI, BDRES, GCMP, GEYE, PKEXT, PKMWF, RAMR, SCRM, WDMP, WDVW, Management options should aim to maintain area as informal C19 woodland pleasure ground comprising woodland management to favour historically-appropriate trees, shrub/herbaceous under-s	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2075	BDMNT, BDREI, BDRES, GCMP, GEYE, PKEXT, PKMWF, RAMR, SCRM, WDMP, WDVW, Management options should aim to maintain area as informal C19 woodland pleasure ground comprising woodland management to favour historically-appropriate trees, shrub/herbaceous under-s	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2076	GCMP, GEYE, BUREP, BURES, PKMWF, RAMR, SCRM, WDMP, WDVW, Management options should aim to maintain area as informal C19 woodland pleasure ground comprising woodland management to favour historically-appropriate trees, shrub/herbaceous under-storey and bulb	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2076	GCMP, GEYE, BUREP, BURES, PKMWF, RAMR, SCRM, WDMP, WDVW, Management options should aim to maintain area as	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
						informal C19 woodland pleasure ground comprising woodland management to favour historically-appropriate trees, shrub/herbaceous under-storey and bulb							
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2077	BDMNT, BDRES, GCMP, GEYE, GRMNT, BUREP, BURES, PKMWO, PKVAT, RAMR, SCRM, Management options should aim to maintain area as immediate parkland setting to moated site focussing on retention and conservation parkland trees, including re-stocking (as appropriate)	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2077	BDMNT, BDRES, GCMP, GEYE, GRMNT, BUREP, BURES, PKMWO, PKVAT, RAMR, SCRM, Management options should aim to maintain area as immediate parkland setting to moated site focussing on retention and conservation parkland trees, including re-	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
						stocking (as appropriate)							
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2077	BDMNT, BDRES, GCMP, GEYE, GRMNT, BUREP, BURES, PKMWO, PKVAT, RAMR, SCRM, Management options should aim to maintain area as immediate parkland setting to moated site focussing on retention and conservation parkland trees, including re-stocking (as appropriate)	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2077	BDMNT, BDRES, GCMP, GEYE, GRMNT, BUREP, BURES, PKMWO, PKVAT, RAMR, SCRM, Management options should aim to maintain area as immediate parkland setting to moated site focussing on retention and conservation parkland trees, including re-stocking (as appropriate)	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2078	RAMR, SCRM, WDMP, WDVW, o Management options should continue	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an	Registered park and garden, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
						woodland management in favour of native broadleaves over conifers, accentuating different periods of woodland creation in C17, early C19 & C18/C20 where possible, and allowing public access along						agreement	
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2078	RAMR, SCRMP, WDMP, WDVW, o Management options should continue woodland management in favour of native broadleaves over conifers, accentuating different periods of woodland creation in C17, early C19 & C18/C20 where possible, and allowing public access along	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2078	RAMR, SCRMP, WDMP, WDVW, o Management options should continue woodland management in favour of native broadleaves over conifers, accentuating different periods of woodland creation in C17, early C19 & C18/C20 where possible, and allowing	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
						public access along							
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2078	RAMR, SCRM, WDMP, WDVW, o Management options should continue woodland management in favour of native broadleaves over conifers, accentuating different periods of woodland creation in C17, early C19 & C18/C20 where possible, and allowing public access along	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2078	RAMR, SCRM, WDMP, WDVW, o Management options should continue woodland management in favour of native broadleaves over conifers, accentuating different periods of woodland creation in C17, early C19 & C18/C20 where possible, and allowing public access along	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2078	RAMR, SCRM, WDMP, WDVW, o Management options should continue woodland management in favour	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
						of native broadleaves over conifers, accentuating different periods of woodland creation in C17, early C19 & C18/C20 where possible, and allowing public access along							
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2079	BDMNT, BDRES, PKMWO, PKREV, PKVAT, SCRM, WDMP, WDVW, Management options should focus on retention and conservation veteran parkland trees / tree clumps, including re-stocking to provide succession and increase numbers of freestanding parkland trees within	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2079	BDMNT, BDRES, PKMWO, PKREV, PKVAT, SCRM, WDMP, WDVW, Management options should focus on retention and conservation veteran parkland trees / tree clumps, including re-stocking to provide succession and increase numbers of freestanding parkland trees within	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2079	BDMNT, BDRES, PKMWO, PKREV, PKVAT, SCRMM, WDMP, WDVW, Management options should focus on retention and conservation veteran parkland trees / tree clumps, including re-stocking to provide succession and increase numbers of freestanding parkland trees within	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2079	BDMNT, BDRES, PKMWO, PKREV, PKVAT, SCRMM, WDMP, WDVW, Management options should focus on retention and conservation veteran parkland trees / tree clumps, including re-stocking to provide succession and increase numbers of freestanding parkland trees within	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2080	GCMP, GEYE, PKMWO, PKREV, PKVAT, SCRMM, WDMP, WDVW, Management options should focus on retention and conservation veteran parkland trees / tree clumps, including re-	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
						stocking to provide succession and increase numbers of freestanding parkland trees within gr							
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2080	GCMP, GEYE, PKMWO, PKREV, PKVAT, SCRM, WDMP, WDVW, Management options should focus on retention and conservation veteran parkland trees / tree clumps, including re-stocking to provide succession and increase numbers of freestanding parkland trees within gr	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2080	GCMP, GEYE, PKMWO, PKREV, PKVAT, SCRM, WDMP, WDVW, Management options should focus on retention and conservation veteran parkland trees / tree clumps, including re-stocking to provide succession and increase numbers of freestanding parkland trees within gr	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2080	GCMP, GEYE, PKMWO, PKREV, PKVAT, SCRM, WDMP, WDVW, Management options	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an	Registered park and garden, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
						should focus on retention and conservation veteran parkland trees / tree clumps, including re-stocking to provide succession and increase numbers of freestanding parkland trees within gr						agreeme nt	
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2080	GCMP, GEYE, PKMWO, PKREV, PKVAT, SCRIM, WDMP, WDVW, Management options should focus on retention and conservation veteran parkland trees / tree clumps, including re-stocking to provide succession and increase numbers of freestanding parkland trees within gr	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2081	Address principle vulnerability	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2081	Address principle vulnerability	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	Sliver created by HMAA processes in SHINE	Sliver created by HMAA processe	Registered park and garden, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
											website	s in SHINE website	
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2081	Address principle vulnerability	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2081	Address principle vulnerability	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2081	Address principle vulnerability	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2081	Address principle vulnerability	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	Registered park and garden, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2081	Address principle vulnerability	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2081	Address principle vulnerability	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2081	Address principle vulnerability	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	RPG HMAA	1001010-2081	Address principle vulnerability	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	Sliver created by HMAA processes in SHINE website	Sliver created by HMAA processes in SHINE website	Registered park and garden, so not applicable
10	East	2018	Holding did not enter into an agreement	SHINE HMAA	NF1135 9-48948	GRMNT, PKVAT, PKMWO, GRSG, GNEP, GNPS	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
												nt	
10	East	2018	Holding did not enter into an agreement	SHINE HMAA	NF1135 9-48948	GRMNT, PKVAT, PKMWO, GRSG, GNEP, GNPS	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
10	East	2018	Holding did not enter into an agreement	SHINE HMAA	NF1135 9-48948	GRMNT, PKVAT, PKMWO, GRSG, GNEP, GNPS	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
11	East	2017	Holding did not enter into an agreement	SHINE HMAA	NF1129 7-33005	Identify and address detrimental management and avoid damaging options	N/A	Holding did not enter into an agreement	Holding did not enter into an agreement	N/A	N/A	Holding did not enter into an agreement	SHINE record, so not applicable
12	East	2016	Mid Tier	SHINE HMAA	NF1404 5-15441	GCMP, SCRM, WDAP, WDAW, WDMP, GNPS, GNFA	N/A	No	No	N/A	N/A	Uncertain	SHINE record, so not applicable
12	East	2016	Mid Tier	SHINE HMAA	NF1404 5-15441	GCMP, SCRM, WDAP, WDAW, WDMP, GNPS, GNFA	N/A	No	No	N/A	N/A	Uncertain	SHINE record, so not applicable
12	East	2016	Mid Tier	SHINE HMAA	NF1182 6-15442	GNFA	N/A	No	No	N/A	N/A	Uncertain	SHINE record, so not applicable
12	East	2016	Mid Tier	SHINE HMAA	NF1182 6-15442	GNFA	N/A	Yes	Yes	SW1 - 4-6m buffer strip on cultivated land	Yes	Yes	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
13	North East	2018	Higher Tier	SHINE HMAA	DU305-42199	MUNP, GNPS, GNFA, GNPEB, GNEP	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
13	North East	2018	Higher Tier	SHINE HMAA	DU294-52326	GRSG, GNEP	N/A	No	No	N/A	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
13	North East	2018	Higher Tier	SHINE HMAA	DU294-52326	GRSG, GNEP	N/A	No	No	N/A	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
13	North East	2018	Higher Tier	SHINE HMAA	DU301-52327	GNEP, GNFA, GNPS, GRSG	N/A	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
13	North East	2018	Higher Tier	SHINE HMAA	DU297-52328	GCMP, GNPS, GNEP, GRSG	N/A	Yes	Yes	HS5 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
13	North East	2018	Higher Tier	SHINE HMAA	DU299-52329	GNPS, GNRTS, GNFA, GNEP, GCMP	N/A	No	No	N/A	Thin sliver on the edge of	Thin sliver on the edge	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
											record just touches this land parcel	of record just touches this land parcel	
13	North East	2018	Higher Tier	SHINE HMAA	DU299-52329	GNPS, GNRTS, GNFA, GNEP, GCMP	N/A	Yes	Yes	H55 - Management of historic and archaeological features on grassland	Yes	Yes	SHINE record, so not applicable
13	North East	2018	Higher Tier	SHINE HMAA	DU299-52329	GNPS, GNRTS, GNFA, GNEP, GCMP	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
13	North East	2018	Higher Tier	SHINE HMAA	DU543-54860	BUREP	N/A	No	No	N/A	N/A	N/A	SHINE record, so not applicable
14	North West	2018	Mid Tier	SHINE HMAA	CH1416 0-50396	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Uncertain	SHINE record, so not applicable
14	North West	2018	Mid Tier	SHINE HMAA	CH1416 1-50397	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/ code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
												parcel	
14	North West	2018	Mid Tier	SHINE HMAA	CH1416 1-50397	Identify and address detrimental management and avoid damaging options	N/A	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just touches this land parcel	Thin sliver on the edge of record just touches this land parcel	SHINE record, so not applicable
14	North West	2018	Mid Tier	SHINE HMAA	CH1416 1-50397	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
14	North West	2018	Mid Tier	SHINE HMAA	CH1416 1-50397	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable
14	North West	2018	Mid Tier	SHINE HMAA	CH1416 1-50397	Identify and address detrimental management and avoid damaging	N/A	Yes	Uncertain	Uncertain	Thin sliver on the edge of record just	Thin sliver on the edge of record	SHINE record, so not applicable

HEFER no.	ALGAO region	HEFER year	Agreement Tier	Designation (SM = scheduled monument)	HMAA	HEFER Management recommendation/code	Essential ?	In agreement area?	Options applied? (Yes/No)	Options applied (Name)	HEFER advice followed? (Yes/No)	Have eligible options been applied?	Essential requirements met
						options					touches this land parcel	just touches this land parcel	
14	North West	2018	Mid Tier	SHINE HMAA	CH1416 1-50397	Identify and address detrimental management and avoid damaging options	N/A	Yes	Yes	BE3 - Management of hedgerows	Mid Tier agreement so specific advice not provided; not enough information available to assess generic advice	Yes	SHINE record, so not applicable

Appendix 8: Quantification of interview responses

Interview/ participant no.	Type of participant	ALGAO area	How long have you been working on CS? (years)	How long have you been working on agri- environme nt schemes? (years)	How many CS agreements have you worked on? (approx.)	How many agri- environment agreements have you worked on? (approx.)	Do you receive HEFERs digitally or as paper copies?	Who do you receive HEFERs from?	Do you read HEFERs ?	Do HEFERs influence how applicatio ns are/your applicatio n was put together?	Do you or applicant s use the advice given in HEFERs to choose CS options?	Do you or applicant s use SHINE features to choose CS options?	Are HEFERs easy to use?	Are HEFER maps clear?	Is the advice in HEFERs clear?	Have you seen variatio ns in the quality of advice across counties ?
1	Countryside Stewardship agent	East	5	15	6	155	Digital	Email link	N/A	Yes	Yes	Yes	No	No	Yes	No
2	Natural England/Forest ry Commission Adviser	Yorkshir e	3	3	50	50	N/A	Email link/RPA	Yes	No	No	No	Reasonabl y	Reasonabl y	Yes	N/A
3	Countryside Stewardship agreement holder	East Midland s	N/A	N/A	N/A	N/A	No HEFER/ s receiv ed	No HEFER/s received	No HEFER/ s receiv ed	No HEFER/s received	No HEFER/s received	No HEFER/s received	No HEFER/s received	No HEFER/s received	No HEFER/s received	N/A
4	Natural England/Forest ry Commission Adviser	North West	3	3	10	10	N/A	RPA	Yes	Rarely	No	No	No	No	No	N/A
5	Natural England/Forest ry Commission Adviser	Yorkshir e	2	2	12	12	N/A	RPA	Yes	No	No	No	Yes	Sometime s	No	N/A
6	Countryside Stewardship agent	North East	5	15	35	105	Digital	Email link	N/A	Rarely	Rarely	Rarely	Yes	Yes	Yes	Yes
7	Countryside Stewardship agent	East	5	16	60	200	Digital	Email link	N/A	Yes	No	Sometime s	No	Reasonabl y	Yes	No
8	Natural England/Forest ry Commission Adviser	South West	2	2	65	65	Digital	RPA	Yes	No	No	No	No	No	Sometime s	N/A
9	Countryside Stewardship agent	East Midland s	5	24	10	Many	Digital	Email link	N/A	Sometimes	No	Yes	No	No	Yes	No
10	Natural England/Forest ry Commission Adviser	East	5	19	20	300	Digital	Employer' s computer system	Yes	Yes	Yes	Yes	No	Yes	No	N/A
11	Countryside Stewardship agent	Yorkshir e	5	14	26	180	Digital	Email link	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Interview/ participant no.	Type of participant	ALGAO area	How long have you been working on CS? (years)	How long have you been working on agri- environme nt schemes? (years)	How many CS agreements have you worked on? (approx.)	How many agri- environment agreements have you worked on? (approx.)	Do you receive HEFERS digitall y or as paper copies?	Who do you receive HEFERS from?	Do you read HEFERS ?	Do HEFERS influence how applicatio ns are/your applicatio n was put together?	Do you or applicant s use the advice given in HEFERS to choose CS options?	Do you or applicant s use SHINE features to choose CS options?	Are HEFERS easy to use?	Are HEFER maps clear?	Is the advice in HEFERS clear?	Have you seen variatio ns in the quality of advice across counties ?
12	Countryside Stewardship agent	East	5	7	70	80	Digital	Email link	N/A	Sometimes	Sometimes	Sometimes	Yes	Reasonably	Yes	N/A
13	Countryside Stewardship agent	East Midlands	5	14	30	230	Digital	Email link	N/A	Rarely	Rarely	No	No	Reasonably	No	N/A
14	Countryside Stewardship agreement holder	East	N/A	N/A	N/A	N/A	Agent dealt with HEFER	N/A	N/A	Yes	Yes	Agent dealt with HEFER	Agent dealt with HEFER	Agent dealt with HEFER	Agent dealt with HEFER	N/A
15	Natural England/Forestry Commission Adviser	North West	3	9	6	6	Digital	Employer's computer system	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
16	Natural England/Forestry Commission Adviser	Multiple	4	11	20	80	N/A	Colleagues	Yes	Yes	Yes	Yes	No	No	No	N/A
17	Countryside Stewardship agent	Multiple	5	24	24	170	No HEFER/s received	No HEFER/s received	No HEFER/s received	No HEFER/s received	No HEFER/s received	No HEFER/s received	No HEFER/s received	No HEFER/s received	No HEFER/s received	N/A
18	Natural England/Forestry Commission Adviser	South East	3	16	10	26	Digital	Employer's computer system	Yes	Yes	Sometimes	Sometimes	Yes	Yes	Sometimes	N/A
19	Countryside Stewardship agent	Multiple	5	5	100	100	Digital	Email link	N/A	Yes	Sometimes	Yes	Reasonably	Yes	Sometimes	No
20	Countryside Stewardship agreement holder	East	N/A	N/A	N/A	N/A	Not sure	Not sure	N/A	No	No	No	Reasonably	Yes	No	N/A
21	Countryside Stewardship agreement holder	South East	N/A	N/A	N/A	N/A	Digital	Downloaded from SHINE website	N/A	Yes	Sometimes	Yes	Yes	Yes	Reasonably	N/A
22	Countryside Stewardship agent	South East	5	20	50	100	Digital	Downloaded from SHINE website	N/A	Yes	Sometimes	Yes	Yes	Yes	Reasonably	Yes

Interview/ participant no.	Type of participant	ALGAO area	How long have you been working on CS? (years)	How long have you been working on agri- environme nt schemes? (years)	How many CS agreements have you worked on? (approx.)	How many agri- environment agreements have you worked on? (approx.)	Do you receive HEFERS digitall y or as paper copies?	Who do you receive HEFERS from?	Do you read HEFERS ?	Do HEFERS influence how applicatio ns are/your applicatio n was put together?	Do you or applicant s use the advice given in HEFERS to choose CS options?	Do you or applicant s use SHINE features to choose CS options?	Are HEFERS easy to use?	Are HEFER maps clear?	Is the advice in HEFERS clear?	Have you seen variatio ns in the quality of advice across counties ?
23	Natural England/Forest ry Commission Adviser	Yorkshir e	4	6	10	60	Digital	Downloa d from SHINE website	Yes	Yes	Yes	Sometime s	Reasonabl y	No	Yes	N/A
24	Natural England/Forest ry Commission Adviser	East Midland s	5	20	6	100	Digital	Email link	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
25	Natural England/Forest ry Commission Adviser	Multiple	5	15	10	100	N/A	Colleague s	Yes	Yes	Yes	Sometime s	No	No	No	N/A
26	Natural England/Forest ry Commission Adviser	Multiple	5	18	9	220	N/A	Employer' s computer system	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
27	Countryside Stewardship agent	Multiple	5	18	75	175	Digital	Email link	N/A	Yes	No	Yes	No	Reasonabl y	No	Yes
28	Countryside Stewardship agent	South West	5	14	50	200	Digital	Downloa d from SHINE website	N/A	Sometimes	Rarely	Yes	No	No	No	No
29	Countryside Stewardship agreement holder	East Midland s	N/A	N/A	N/A	N/A	Not sure	Not sure	N/A	Yes	No	No	Yes	Yes	Yes	N/A
30	Natural England/Forest ry Commission Adviser	West Midland s	5	10	12	42	Digital	RPA	Yes	Yes	Yes	Yes	Yes	Yes	Reasonabl y	N/A
31	Natural England/Forest ry Commission Adviser	North West	5	19	11	400	Digital	Employer' s computer system	Yes	Yes	Yes	Yes	Reasonabl y	Reasonabl y	No	N/A

Appendix 9: Views and opinions expressed during interviews

Agreement holders: Did the HEFER influence how you put your application together?

Agents: Do HEFERs influence how you put applications together?

NE/FE: Do you think HEFERs influence the way applications are put together?

Interview/ participant number	Type of participant	Comments
1	Countryside Stewardship agent	Totally. Allow combination of multi-objectives and to choose options.
2	Natural England/Forestry Commission adviser	Not at all from a Forestry Commission point of view. Land registered with woodland as the land-use cannot include historic environment options - the number of options available for registered woodland parcels is very limited, the CS computer system only supports 10-12 options, none of which are historic environment options.
4	Natural England/Forestry Commission adviser	Very rarely, unless there's a scheduled monument. If a land manager already knows they've got something they will already be working round it.
5	Natural England/Forestry Commission adviser	No. Land managers already know their archaeology.
6	Countryside Stewardship agent	Not really, unless it is to check eligibility criteria. Tend to put agreements together then use the HEFER to check eligibility, more a check, rather than being influential. Know low input grass is good for archaeology.
7	Countryside Stewardship agent	Yes, sometime significantly, depends on finds and sites. Influence can be good, can be for the worse depending on findings and aspirations.
8	Natural England/Forestry Commission adviser	No, not received at the right time. Some applicants get HEFERs after their application has been submitted – applicants working to application windows. If a HEFER doesn't say work is essential difficult for it to influence an agreement, FC under so much pressure, don't have time to influence nice to do work. Time pressure caused by scheme – HEFER would be best at the Management Plan stage. Not all management plans lead to Higher tier applications. HEFERs would be brilliant if they were seen at the right time. Application window/business system/process is failing.
9	Countryside Stewardship agent	Not really, don't take much notice of the HEFER. Consider all archaeological/historic data sets held by the NPA (including SHINE & non-SHINE features) regardless of whether a HEFER had been provided in advance of finalising any CS options. use HER directly. It is a priority to ensure that all historic features and areas are protected via appropriate options under national schemes. Where this cannot be achieved we would consider our own scheme as an alternative. HEFERs are basic, they miss added extras.
10	Natural England/Forestry Commission adviser	Yes, no doubt, but difficult to meet multi-objectives.
11	Countryside Stewardship agent	Yes. Always look at HEFER with the farmer, encourage them to look after archaeology, to do their best. However, the farming system is always influential.
12	Countryside Stewardship agent	To a certain extent. Do look at them. Sometimes farmers already aware (from past schemes, for example). Sometimes farmers are happy to take advice on board and change their practices. Other times more difficult. Depends on where the site is, what it is. Have struggled with min til on SHINE sites in Mid Tier. More used to talking

Interview/ participant number	Type of participant	Comments
		about biodiversity and water. Reduced tillage is positive in general, has less effect than ploughing.
13	Countryside Stewardship agent	No, unless working on a scheduled monument. There are no suitable options for SHINE sites. This year may be more competitive than before so HEFERs and priority SHINE sites may be more relevant.
14	Countryside Stewardship agreement holder	Yes. Discussed it with my agent.
16	Natural England/Forestry Commission adviser	Yes. They inform people drawing up agreements, often an agent who doesn't know the farm well, often invisible sites. Have an important role in sharing information that is critical for agreements. Also slightly negative impact, as look at risk, show things that could cause problems for farmer. Have a role in risk mitigation – scrapes on SHINE sites may be seen as not worth the lot of effort involved. For some agents act a constraints mapping, but HEFER/SHINE not meant to be this. When mitigating risk need to look at potential, but SHINE is limited to known features for value for money reasons, it is not exhaustive.
18	Natural England/Forestry Commission adviser	Personally yes, as I've got a personal interest in the historic environment and tend to work with organisations that have an interest in protecting it. Generally within the team less so. Historic environment traditionally seen as less important than other objectives. Private owners feel they can treat land in the way they want.
19	Countryside Stewardship agent	Yes, I check features maps to see what's there, then look form more detail, if the fields covered are going into the application.
20	Countryside Stewardship agreement holder	No, as my well-known archaeological site not included. It was excavated by Time Team.
21	Countryside Stewardship agreement holder	Will have had a bearing.
22	Countryside Stewardship agent	Have a bearing. Archaeological sites are more of a hindrance, throw spanners in the works. Don't get much in return. Always looks at HEFERs with a sense of foreboding. Don't want to see any red on maps. Unless have a scheduled monument can't get a meaningful payment. SHINE sites mean can get funding for fencing or at least one arable option. Restrictions are difficult, given what get paid.
23	Natural England/Forestry Commission adviser	Yes, definitely, very important. Most of my work is in the uplands, generally means HEFERs confirm usual moorland management is OK. Sometimes highlight additional requirements.
24	Natural England/Forestry Commission adviser	Yes, really use them. Able to amend applications based on them. Good starting point for negotiations. Can identify what is suitable, what is not. One of first things do on an applicant is check the NE webmap, may not understand what SHINE record shows, so HEFER useful. Couldn't do my job without it. May have different attitude to colleagues.
25	Natural England/Forestry Commission adviser	Should do. Do find clunky and difficult to understand. Only work well if have experienced NE adviser working in a hands-on way. Where left to the applicant they are often misunderstood. Can depend on driver for the scheme – in some applications historic environment may not be consider early enough. With CS often need to scope (feasibility study) in advance of applications, therefore need pre-HEFER

Interview/ participant number	Type of participant	Comments
		consultation to make sure have historic environment information at the right time/early enough need to know how to protect and ensure no detriment. Lots of planning before get to HEFER stage. HLS had a phased approach, not CS, which creates too much work and tension.
26	Natural England/Forestry Commission adviser	As an adviser yes. I go through every feature, encourage applicants to do something with features. In many cases as not a requirement they turn a blind eye, unless a priority. Many applicants might not look at, just show to NE, leave NE to understand and interpret. Need to spend time on HEFERS to understand them.
27	Countryside Stewardship agent	Yes, absolutely. Not so much for a farmer, depends on agent.
28	Countryside Stewardship agent	Can do, not always. Question of what's there, how options apply. Most of my work is on grassland, tend to use low input grassland options, protect historic environment through default.
29	Countryside Stewardship agreement holder	Believe so, the agreement has some historic environment options.
30	Natural England/Forestry Commission adviser	Yes. NE invites people to apply, have a good idea of priority habitats, most priority habitats have historic features. Know which options habitats need, can check the HEFER against this. Perhaps don't use HEFERs from the start. Applicants often interested in features they have and want to protect them. Often know about scheduled monuments, less familiar with SHINE features.
31	Natural England/Forestry Commission adviser	Yes, think they do. Hope so. Options don't necessarily offer enough incentive to apply them to historic environment features. HS5, for example, is not attractive enough. If offered more money, would see more uptake. It is rare an applicant brings a HEFER to a meeting, NE tends to lead on them. Negotiations on one agreement failed because of need to manage scheduled monuments – moorland options didn't feel right, offered grazing agreement needed to protect scheduled monuments but farmer wouldn't reduce stocking numbers.

Agreement holders: Did you use the advice given in the HEFER to choose CS options?

Agents: Do you use the advice given in HEFERs to choose CS options?

NE/FE: Do you and applicants use the advice in HEFERs to choose CS options?

Interview/ participant number	Type of participant	Comments
1	Countryside Stewardship agent	Yes, the advice influences options and capital works. It provides supporting information for non-historic environment options, for example low input grassland. It facilitates getting certain options.
2	Natural England/Forestry Commission adviser	No. More advisory, flags up historic environment features. Leads to interesting conversations but Woodland Higher Tier applications/agreements can only include historic environment options if there is a scheduled monument with the 'essential' box ticked. SHINE records cannot have options put on them. Only have a limited number of options to choose from. Lengthy process to get a scheduled monument included in an agreement – often need to take scheduled monument out of woodland and have it reclassified as a non-woodland parcel. Recommendations include WD2 but this

Interview/ participant number	Type of participant	Comments
		cannot be used to manage woodland.
4	Natural England/Forestry Commission adviser	No, not unless already flagged up in the management plan.
5	Natural England/Forestry Commission adviser	No, I'm experienced, tend to know the sort of prescription needed. Don't really need it in Higher Tier woodland applications.
6	Countryside Stewardship agent	Not really, unless it is to check eligibility criteria.
7	Countryside Stewardship agent	No, not directly. Historic environment tends to be an afterthought. Focus applications on conservation gains for biodiversity, driven by Natural England scoring and scheme literature. Biodiversity and farm wildlife always first priority when talk to farmers. Over the year historic environment has become a poor partner in scheme objectives, used to be the first thing looked at, now the last.
8	Natural England/Forestry Commission adviser	Sadly no. Have not had a case where essential work is needed. Only essential case seen the scheduled monument was already in good condition.
9	Countryside Stewardship agent	Not really, no. As an experienced farm adviser dealing with environmental schemes for many years, including historic feature management and restoration, I have a good understanding of the requirements. The HEFER advice is general and may not be appropriate for some sites. Where this is the case, and as required, I have the benefit of being able to liaise with our Cultural Heritage Team for specific advice on a case by case basis.
10	Natural England/Forestry Commission adviser	Yes but advice is not clear, as gives range of options, importance is not clear. If HEFER recommends minimal cultivation or taking out of cultivation farmers generally reluctant, concerned about it becoming permanent pasture after 5 years and covered by EIA regulations after 15 years. How hard ball do NE play? Can't give an agreement if don't address historic environment options? May have to walk away from whole agreement? Call farmers bluff? In some cases the historic environment can jeopardise agreements. Tables are a good wish list. Whether advice is influential does depend on relationship with author – if don't know them, it is easier to ignore. Helps if historic environment advisers can be involved in discussions.
11	Countryside Stewardship agent	Yes, does help choose options, but depends on the farmer. For example, where there's an archaeological site in grassland the farmer will always go for the higher payment non-historic environment option, will protect archaeology. Good if farmer is willing.
12	Countryside Stewardship agent	To a certain extent. Perhaps not as much as it should.
13	Countryside Stewardship agent	No, not unless there is a scheduled monument present.
14	Countryside Stewardship agreement holder	Yes. My agent and I talked long and hard about options to protect extensive archaeology on my farm. The information provided under the previous CS and HLS schemes was also useful.
15	Natural England/Forestry Commission adviser	NE do, applicants and agents not so much (who tend to go with what NE is proposing).
16	Natural England/Forestry Commission adviser	Yes, NE advisers should do what HEFER says.

Interview/ participant number	Type of participant	Comments
18	Natural England/Forestry Commission adviser	Less so for the site types I work with: parkland and heaths. Normally clear cut what is appropriate, not much conflict. HEFERs are useful for parkland but parkland plans influence agreements more – take these plans on trust, rely on the person putting them together, normally done that is trusted, don't question then too much.
19	Countryside Stewardship agent	Sometimes. Mostly know the restrictions related to SHINE and what options can be applied.
22	Countryside Stewardship agent	Can, but on balance in a negative way. Use archaeological codes so little can't remember them.
23	Natural England/Forestry Commission adviser	Yes. Applicant relatively passive, normally NE makes suggestions based on the spreadsheet.
24	Natural England/Forestry Commission adviser	Yes. Applicant might have an idea of what they want to do, may not be appropriate. Can use HEFER to negotiate and find best/most appropriate options. More engaged applicants will read them.
25	Natural England/Forestry Commission adviser	Should do. Do find people don't understand them, especially codes.
26	Natural England/Forestry Commission adviser	Look at codes, go to key, see options recommended, see what needs to be done (often forget codes). If can't go for reversion can go for direct drilling. Few agreement holders will direct drill across fields as they have the machinery; some don't have the machinery, but their contractors might. Some agreement holders are trying to make as few interventions as possible each year.
27	Countryside Stewardship agent	No, not at all. Not wide ranging enough. Doesn't look objectively enough, ie AB8 excluded. Don't want to see lots of boring grass or weeds where have archaeologist sites. One site in Suffolk under natural regeneration, protected archaeology for 10 years but no other benefit, have had to submit EIA application to cultivate top 10cm to establish a species rich grazed meadow. Most SHINE sites are medium/high priority and can be protected with arable options, such as wildlife corridors. Multi-objectives not reflected in current HEFERs, which discourages farmers and results in less protection for archaeology.
28	Countryside Stewardship agent	Not particularly. Work in a specific area with specific historic environment types. Familiar stuff.
29	Countryside Stewardship agreement holder	Options chosen by agent, rather than influenced by HEFER.
30	Natural England/Forestry Commission adviser	Yes, although NE pushes more than applicants. Look for high priorities and make sure they go into agreements. Many agreements have SSSIs and grassland, so not much intensive farming input.
31	Natural England/Forestry Commission adviser	Yes. Go to Excel spreadsheet first. Use notes to find out about last visit, condition etc.

Agreement holders: Did you use SHINE features to choose CS options?

Agents: Do you use SHINE features to choose CS options?

NE/FE: Do you and applicants use SHINE features to choose CS options?

Interview/ participant number	Type of participant	Comments
1	Countryside Stewardship agent	Yes, the advice influences options and capital works. It provides supporting information for non-historic environment options, for example low input grassland. It facilitates getting certain options.
2	Natural England/Forestry Commission adviser	No, as no options to choose.
4	Natural England/Forestry Commission adviser	Don't think so. Don't tend to direct applicants with SHINE features to option. Where a scheduled monument is present there is an obligation to manage this. There is no obligation to manage SHINE features.
6	Countryside Stewardship agent	Not really, unless it is to check eligibility criteria. Hadn't spotted some advice is autogenerated.
7	Countryside Stewardship agent	On some occasions but it does depend on importance. Rarely get farmers willing to take land out of production these days. There was an appetite for this early in HLS, as best paying option, were able to follow advice. Payments are a driver. With the advent of maize and outdoor pigs farmers are now looking for high value land uses, looking for £1000 per hectare value now.
8	Natural England/Forestry Commission adviser	No. Don't have access to the SHINE website.
9	Countryside Stewardship agent	<p>Yes, however not all archaeological features appear on SHINE – this may be due to the fact that they do not meet the criteria for SHINE (but are equally as important to protect in a NP context) or the local authority has not been consulted on the application area and there has been no opportunity to update the SHINE database at application stage. There are lost opportunities now that the approach to updating SHINE has changed in recent years. Whilst this would not affect any applications prepared by the NPA farm advisers who would consider all historic features and areas in any application & options (as the NPA archaeologist would be consulted in any case especially if no SHINE info is provided by the HEFER) other external agents would less likely do this.</p> <p>The NP has good coverage of past archaeological surveys on agricultural holdings and many sites have been in past schemes. Some of these sites have been in different types of schemes over the years such as ELS/HLS, where features and areas of interest were identified in detail as part of the FER, now moving CS Mid Tier where the HEFER/SHINE database is relied upon. Where these sites do not contain a scheduled monument and there has not been any resources locally to add to SHINE there is potential currently for these sites to be missed as part of Mid or Higher Tier. They would not appear on the HEFER, neither would the RPA pick this up in the case of Mid Tier and there is a risk that NE would not pick up as part of Higher Tier either (the previous ELS/HLS documents might not be cross referenced).</p> <p>Need to know the background, how a farmer manages their land. Try to tick all boxes for all objectives on all features, the secure best financial gain for the farmer. Grassland options will protect most</p>

Interview/ participant number	Type of participant	Comments
		historic features. If can't use HD5 use the next best grassland option.
10	Natural England/Forestry Commission adviser	Yes. Like accessing SHINE data through NE GIS system (but not sure how up-to-date it is, are there updates during the year?). Good can look at SHINE data with farmer before HEFER arrives, establish high, medium and low priorities.
11	Countryside Stewardship agent	Yes, certainly. Check maps, see where things are. When site in arable can be difficult to get farmers to change cultivation practices. Have only had had two move to minimal cultivation. Farmers say have ploughed for years, so will have damaged archaeological sites.
12	Countryside Stewardship agent	Sometimes. Depends where they are. If it is easy to do something, will do so. Can't do something in every agreement. Often depends when the HEFER arrives: if it arrives early in the process it will have more influence, if just before the application deadline less so. The annual window makes it difficult. ELMS may be quarterly, which would be better for everyone.
13	Countryside Stewardship agent	No. All options applied so far have gone on scheduled monuments. There is very little can do with SHINE sites.
14	Countryside Stewardship agreement holder	That's a question for my agent.
15	Natural England/Forestry Commission adviser	NE do, applicants and agents not so much. One farmer has really good attention to detail, he would have looked at SHINE features. Others not interested.
18	Natural England/Forestry Commission adviser	Some landowners know all about SHINE features, others less so. Mostly work with grassland, so not much debate. Locating features and knowing they are there is key.
19	Countryside Stewardship agent	Yes, will use if in holding and looking to do something.
20	Countryside Stewardship agreement holder	No, because my archaeological site is not a SHINE feature.
22	Countryside Stewardship agent	Can, yes, but not in a positive way. SHINE features determine what can't do, rather than what can. Options on grassland don't offer much.
23	Natural England/Forestry Commission adviser	Confused by question. Have SHINE features on internal system, not sure how up to date these are. HEFERs are more comprehensive and up to date.
24	Natural England/Forestry Commission adviser	Yes. Does depend on engagement of the agreement holder and the circumstances.
25	Natural England/Forestry Commission adviser	Varies. Maps can be hard to understand, especially when have landscape survival and/or palimpsests. Can be hard to apply options unless obvious and agreement holder willing.
26	Natural England/Forestry Commission adviser	Yes, perhaps more than anything else. Important to see boundaries. Reference numbers very important.
27	Countryside Stewardship agent	Yes, definitely. First point of contact with archaeology.
28	Countryside Stewardship agent	Yes, but struggle with SHINE data because group site in large polygons. Erodes detail. Often use HER online to get more details. Large blobs mean fields become ineligible for capital options, only because two features have been joined up or because it overlaps a field boundary. Important to make sure sites and priorities are

Interview/ participant number	Type of participant	Comments
		mapped clearly and not causing problems for other objectives.
29	Countryside Stewardship agreement holder	Don't think so.
30	Natural England/Forestry Commission adviser	Yes, helps devise management. One heath site last year HEFER arrived late in the process, should have influenced, but came too late. Luckily holding in AONB, has scheduled monuments and common land, Historic England involved with agreement holder so had their views, able to progress without HEFER. If had HEFER earlier would have been able to prioritise SHINE sites, including in bracken control plan.
31	Natural England/Forestry Commission adviser	Yes. Can see SHINE features on NE mapping system before get HEFER. Use these to produce a constraints report as first stage of work. On walkovers with farmers use SHINE data, normally fully engages farmers, often know about SHINE features or are interested in something need. SHINE data is a good hook, can use it as a tool to get applicants engaged.

Agreement holders, agents and FE/NE: Are HEFERs easy to use?

Interview/ participant number	Type of participant	Comments
1	Countryside Stewardship agent	No, they are complicated. Gobbledegook to a land manager.
2	Natural England/Forestry Commission adviser	Reasonably, unless you are working on a really big estate where breaking down the information by land parcel can make them very complicated. Depends on the nature of the holding and its historic environment features.
4	Natural England/Forestry Commission adviser	Difficult to use on a large holdings. One recent HEFER had 34 maps and 180 rows of SHINE data. Trying to cross reference was difficult, difficult to decipher. If small woodland much easier.
5	Natural England/Forestry Commission adviser	Yes, once you know what you are looking for. Difficult to understand at first. Big packages for large estates can be overwhelming.
6	Countryside Stewardship agent	Yes. Look at overall map to see if there is anything I'm not aware of. Then check boundaries of SHINE sites.
7	Countryside Stewardship agent	No. In the past summary sheets giving salient points were useful. Now have to wade through detail even if the list of sites only covers a few pages.
8	Natural England/Forestry Commission adviser	Don't feel they are. But only glance at them. Tend to have a quick look at map, then jump to spreadsheet. Can manipulate this and use it to triage, then find relevant features, then stop using. Really interested but don't have the time.
9	Countryside Stewardship agent	No, not for applicants – far too many maps, pdfs and spreadsheets, 6 documents to download. Needs to be condensed.
10	Natural England/Forestry Commission adviser	No. Could be easier. There are six documents, not easy to find what to do and what is important. Can't tell how important it is that advice is followed. One HEFER had 59 lines in the spreadsheet. Could see the importance and priority columns but these didn't explain how important the historic features were to the agreement. It's not clear if have to include all SHINE sites in agreements. Historic England use essential/desirable box, SHINE records don't. Lots of information

Interview/ participant number	Type of participant	Comments
		provided that is not important, could be simplified.
11	Countryside Stewardship agent	Yes, but have variable content. Some have blank spreadsheets. Sometimes no HEFER. Farmers can be puzzled. Have assumed there is no information. Have questioned RPA – they have said if there is no HEFER, there is nothing there.
12	Countryside Stewardship agent	Yes. Are self-explanatory. Easy to find written advice. Have improved over time.
13	Countryside Stewardship agent	No, because of the way the information is presented and the language used. Farmers struggle to make sense of them. Always feel like they are designed for archaeologists and Natural England without the end user in mind.
14	Countryside Stewardship agreement holder	That's a question for my agent.
15	Natural England/Forestry Commission adviser	Yes. Everything needed is there – land parcels, scheduled monuments, non-scheduled monuments, site names, comments about sites, as up to date as possible. Pretty good. Can't always cover recommendations but do the best possible, often discuss things with local authority archaeologist.
16	Natural England/Forestry Commission adviser	No, and am used to using them. Sheer number of queries raised when the answer is front of them suggests they are hard to use. The structure of them – pdf, size of font, spreadsheet based, maps and tables separate – was fine in 2006 but not clumsy and old fashioned. Need a thorough overhaul.
18	Natural England/Forestry Commission adviser	Yes, when get used to them, generally detailed, can find things. HEFERs covering large landowners who have one SBI are difficult – contain lots of information and maps. I want to find out about the historic environment. Not all advisers will look into detail if information is not easy to find.
19	Countryside Stewardship agent	They're OK. Someone who hasn't seen one before might find them mind boggling. They include too many documents – only need the SHINE feature maps. In the first year were given environment feature maps and reports, these were much easier to use.
20	Countryside Stewardship agreement holder	OK but included too many documents – only need the SHINE feature maps.
22	Countryside Stewardship agent	Yes, broadly alright.
23	Natural England/Forestry Commission adviser	Could be easier to use.
24	Natural England/Forestry Commission adviser	Yes. Like standard format and standard tables. Have set number of responses. Find easy to interpret. Visual person, so table and maps are goof. Breakdown for each feature – description, priority, above/below ground, advice – really helpful. More technical/archaeological report might be more difficult. Some use specialist language that could put agreement holders off, don't always understand, so agents/NE asked to explain them: univallate/bivallate hillforts, debitage, Upper Palaeolithic, about stratigraphy. Have the luxury of having people to ask.
25	Natural England/Forestry Commission adviser	No, very clunky. Worked for NE for 15 years, a historic environment organisation for 20 years before, but heart sinks. Are hard work, hard to work through.

Interview/ participant number	Type of participant	Comments
26	Natural England/Forestry Commission adviser	Yes. Comes part by part, each separate. Easy to work out which is which. Very clear. Just pull out the information I need, probably ignore columns I don't need.
27	Countryside Stewardship agent	No. Not enough information. What's there is presented in several different ways, is that needed? If looking to reduce cost could reduce number of documents.
28	Countryside Stewardship agent	No. Not much help. Tables are hard work. Generally poor accessibility. Table is intimidating. When send HEFER to applicants they can't get their head around the tables, with all the codes. Too much in there. Coding is confusing. Lots of people can flap at the amount of paper, think it's all for them. Struggle with current format. Often disengage. When show farmers online HER they like it, like navigating, finding features, it works well, lessons to learn from this. More accessible more likely to be used, advice taken on board.
29	Countryside Stewardship agreement holder	Yes. However, it didn't have all the necessary information. Newly created scheduled monument was not included, didn't know it had been scheduled, neither did local authority.
30	Natural England/Forestry Commission adviser	Yes. Maps are clear. Like overview maps, feature maps and tables. Can filter excel document, easy to scroll through it.
31	Natural England/Forestry Commission adviser	Parts are, parts not. Find them a bit clunky, despite working on them for a long time. Excel spreadsheet is easy to use.

Agreement holders, agents and FE/NE: Is HEFERs maps clear?

Interview/ participant number	Type of participant	Comments
1	Countryside Stewardship agent	No. Absolutely appalling. Scale difficult to use. Not centred. Lose context. OK if only have one or two features. Some cases cross multiple land parcels, with only small areas in some parcels – how can a land manager address the requirements of really small areas?
2	Natural England/Forestry Commission adviser	Reasonably. Is all the relevant information there? Can it be found? Scales of maps can be an issue.
4	Natural England/Forestry Commission adviser	Difficult to use on a large holdings. In upland areas not many fixed boundaries. At 1:10000 can be difficult to work out where things are on the ground. Need the ability to zoom in on maps.
5	Natural England/Forestry Commission adviser	Overview maps are pretty clear, no great issues, can read quite well. Detailed maps are not clear, difficult when a feature fills a whole page.
6	Countryside Stewardship agent	Fine, as experienced at map reading. Clients/farmers find them difficult. Large areas without features can distract.
7	Countryside Stewardship agent	Not bad, have improved, have become more user friendly. Sometimes too zoomed in. Overview map of the holding is always preferable. SHINE feature maps are useful. Don't know farms intimately. Can't always identify a feature as glance at code and field numbers, have to cross reference. Slightly zoomed out would be better, would give more context – management features maps are too zoomed in. To identify field numbers need to log into Basic Payment online, don't always have access to up-to-date field numbers.

Interview/ participant number	Type of participant	Comments
8	Natural England/Forestry Commission adviser	No. Can be hard to relate to holding. This is often the case with computer generated parcel-based maps.
9	Countryside Stewardship agent	No, different scales and duplication. Would be easier to use if just one map at suitable scale. Applicants are unlikely to look at the maps. The CS scheme application process and forms etc are considered to be too complex by farmers and landowners to complete themselves. Agents therefore tend to be appointed to assist and so should be familiar with this mapping system.
10	Natural England/Forestry Commission adviser	Yes, nicely done. But when have lots of different features with long obscure numbers to cross reference, have to keep looking them up., difficult, can take ages to find each feature, especially with big holdings.
11	Countryside Stewardship agent	Yes. They are fine, show things well, numbers are clear. Sometimes takes a while to figure out where features are, but normally OK. Have worked on one large estate that was tricky.
12	Countryside Stewardship agent	Yes but if the maps more closely resembled the RPA application maps it would help. Can be hard to find features. Need to work out quickly where things are.
13	Countryside Stewardship agent	They are OK but can be cumbersome – lots of maps, some features very close up. Could be more helpful. Have changed overtime, are better than they were.
14	Countryside Stewardship agreement holder	That's a question for my agent.
15	Natural England/Forestry Commission adviser	Yes, they're really useful. Can see individual parcels. They pinpoint features.
16	Natural England/Forestry Commission adviser	No. Need cross referencing, which can be difficult. Better than they were.
18	Natural England/Forestry Commission adviser	Yes, as long as can find features. Can be difficult with large landowners who have one SBI.
19	Countryside Stewardship agent	Yes, but only need the SHINE feature map. All SHINE features could be on one map. Just need to know where things are.
20	Countryside Stewardship agreement holder	Yes, but only needed the SHINE feature map.
22	Countryside Stewardship agent	Perfectly clear, helpful.
23	Natural England/Forestry Commission adviser	Difficult to use. The labels can be really small, hard to see. Often see a small blob on a very large map.
24	Natural England/Forestry Commission adviser	Yes, useful, show how things sit in the landscape, provide landscape scale view which tables don't. But can be at a weird scale. One example: feature would have fit on one map but spread across several.
25	Natural England/Forestry Commission adviser	No, so they are not terribly helpful. Can understand them from a historic environment perspective but very difficult to get head around. Do return to previous consultations and their maps.
26	Natural England/Forestry	Yes. They show the difference between SHINE and scheduled monuments.

Interview/ participant number	Type of participant	Comments
	Commission adviser	
27	Countryside Stewardship agent	Reasonably. Not a huge problem with the. More specific locations would improve.
28	Countryside Stewardship agent	No. Hard to find where things are, how features relate geographically. Know people complained couldn't print out maps when they were A3, so they were changed to A4, now too small. Need to be aware of unexpected consequences of requests. Had one small holding, only six parcels, shown in corner of two maps!
29	Countryside Stewardship agreement holder	Yes, no problem using them.
30	Natural England/Forestry Commission adviser	Yes, they're great, good quality, show features well. Like use of colour.
31	Natural England/Forestry Commission adviser	Always have to double check land parcels are included. Know have improved. Older ones were disjointed, difficult to use, couldn't find key.

Agreement holders, agents and FE/NE: Is the advice in HEFERs clear?

Interview/ participant number	Type of participant	Comments
1	Countryside Stewardship agent	Yes, but need to have a good understanding of the historic environment and the way the information is presented to be able to use the HEFER. Do not think applicants read HEFERs, they are probably not useful to them.
2	Natural England/Forestry Commission adviser	Helpful. Know need to look into each feature and the related advice. Can be unwieldy in some cases. Can be confusing on first look. If don't have a great deal of experience can be scary. With experience useful.
4	Natural England/Forestry Commission adviser	Excel file and maps don't lead to efficiency. Need interpretation of information – what does the advice mean, what do you do, what are the next steps? Don't know what high, medium or low priority means on the ground. HEFER is only a precursor to getting the sign off for local authority archaeologists – need to agree access routes, for example, which a HEFER doesn't offer.
5	Natural England/Forestry Commission adviser	Not really. Regurgitated.
6	Countryside Stewardship agent	Yes, everyone should understand it. If people want us to understand what is important the advice needs to be clear. It would help if advice was more targeted. Not often that something is a surprise. People do disagree with advice – have had discussion Historic England and local authority archaeologists. Had one Mid Tier application where known historic features were not in the HEFER, spoke to local authority as would not have been able to put options on otherwise.
7	Countryside Stewardship agent	Yes. Tables are good. Clear to see significance of features. Recommendations are clear, codes have explanations. Why is the excel document provided, it mirrors a pdf file, don't use it?
8	Natural England/Forestry Commission adviser	Sometimes. Can see knowledge of the site in some cases. Others just given standard site. Embellished advice may or may not be clear. For example, 'Complex site, please contact us' is not helpful, not possible

Interview/ participant number	Type of participant	Comments
		in timeframe, difficult to use to persuade owners to act positively. Would like to push for more value for money and environmental benefit based on HEFERS.
9	Countryside Stewardship agent	Perhaps in basic terms. Short, easy to read, Have never scrutinised it in detail, as know what options are appropriate. Read option prescriptions, know what can be applied where. Might give others better idea of options they can apply.
10	Natural England/Forestry Commission adviser	Could be clearer. Complicated. Not very friendly. Lots of different management codes. Need to keep looking them up, cross referencing. Need to know what, how important and how important to include it is, along with what option. Large estates have page after page of sites and advice. Not clear what is essential, what is nice to have. List of top 30 sites for use in HLS was really helpful.
11	Countryside Stewardship agent	Yes. In some received specific information has been great. Others provide more generic information, these are tricky. For example, a few hay meadows have had blanks maps and spreadsheets but still have the table of all general management codes which is totally irrelevant, applicants confused, seen as over the top, do understand HEFER reports are computer generated.
12	Countryside Stewardship agent	Fairly. Used to looking at them now. On first glance difficult to follow. Guidance and options are clear. Codes are good. Like supplementary guidance/extra information and detail.
13	Countryside Stewardship agent	No. Difficult to find. Codes are meaningless to agents and farmers. The excel file does not have the codes in. Lots of columns are meaningless. Tend to use Excel spreadsheet, look for essential box, most often say N/A so close HEFER down.
14	Countryside Stewardship agreement holder	That's a question for my agent.
15	Natural England/Forestry Commission adviser	Yes but do wonder how up-to-date it is if site have not been visited recently. Additional conversations with local authority archaeologists cover this.
16	Natural England/Forestry Commission adviser	Could be clearer. Lots of confusion about some of the fields, including the 'essential' tick box. Lots of queries are around 'not essential, so not going to do it' – shouldn't be displayed for SHINE. Field is about refusing agreements that do not meet statutory requirements.
18	Natural England/Forestry Commission adviser	Yes, if straightforward feature with clear advice. Can be difficult with large landowners who have one SBI or larger SHINE features. One large feature cover 2-3 parcels, had a non-descript name: 'Prehistoric field system'. Need to know where features are within large polygons. If can't understand the name will struggle to understand the site and its management requirements.
19	Countryside Stewardship agent	Don't use the advice too much, normally know the management required. If there's a scheduled monument will really take the advice. Otherwise it's a case of not doing anything detrimental. Autogenerated HEFERS are not useful.
20	Countryside Stewardship agreement holder	No, because my archaeological site is not a SHINE feature.
22	Countryside Stewardship agent	Reasonably clear. Have to take account of high priority sites. Often discuss with local archaeologists, telephone call or email, normally can find a work around.
23	Natural	Think so. Useful, used to it, know codes by heart. Imagine it's

Interview/ participant number	Type of participant	Comments
	England/Forestry Commission adviser	different for applicants, who probably just have a quick look.
24	Natural England/Forestry Commission adviser	Yes. Get used to certain codes. There are lots of them, but there are lots of different types of sites. Need to remember there is a key. Without codes would be into bespoke reports and jargon. Like the hints of options that might be appropriate. Notes can be helpful, ie need to get consent for fencing.
25	Natural England/Forestry Commission adviser	Varies. Codes are very difficult. Different HERs have their own approach, know they are under time pressure. Some of language used is not helpful. Sometimes not enough advice. For example, one HER suggested a management plan for a parkland but gave no more information about history, why it is special and interesting. Is this a fault of the system or because of capacity? Need to explain basic information to catch attention.
26	Natural England/Forestry Commission adviser	Yes, think it's good.
27	Countryside Stewardship agent	No, not really. Not wide ranging enough, lack range of options.
28	Countryside Stewardship agent	No. Codes intimidating. Needs to flick from table to code keys. Cross referencing is difficult unless used to them and interested.
29	Countryside Stewardship agreement holder	Yes, says what's there. Could options be recommended?
30	Natural England/Forestry Commission adviser	Pretty clear, provides a lot of information to use in discussing with landowners, know what need to include. But HEFER management codes can difficult if lots of features, constantly flicking between sheets. Fine if not many features.
31	Natural England/Forestry Commission adviser	No. Don't like consultation data pdf, not clear at all. Advice doesn't jump out. Codes can be off putting, people lose interest. Including information that is generic or not applicable puts people off. Important sections are lost. Advice isn't unclear or bad itself, it's poorly presented. Codes in a massive table.

Agreement holders, agents and FE/NE: What do you like about HEFERs?

Interview/ participant number	Type of participant	Comments
1	Countryside Stewardship agent	1. Fascinating information. 2. Advice from local authorities and Historic England is in one place. 3. Postcode search/navigation.
2	Natural England/Forestry Commission adviser	1. Really helpful they exist. 2. First incarnation of integrated advice. 3. Really positive they are shared with Forestry Commission and landowner, who may not be aware of their historic environment features. Landowner may follow up information/advice, even if FC can't. 4. They are free to the landowner. Landowners may not pay for them.
4	Natural England/Forestry Commission adviser	1. Gives an indication of what is present, leads to on-site discussions. 2. Comprehensive dataset.
5	Natural	List is useful.

	England/Forestry Commission adviser	
6	Countryside Stewardship agent	1. Maps are great/useful and can be used for other purposes. 2. Spreadsheet
7	Countryside Stewardship agent	1. Maps, they're good.
8	Natural England/Forestry Commission adviser	1. Can get excited by what they contain.
9	Countryside Stewardship agent	1. I think it is important that the historic environment is given weight in current and future schemes – the HEFER is a good starting point to highlight those features. 2. It is good it comes from the RPA, it means it officially comes from a recognised source. 3. Farmers can see the document, helps them to engage, important they have input.
10	Natural England/Forestry Commission adviser	1. Maps are useful, can see sites, farmers can relate to them (except coding).
11	Countryside Stewardship agent	1. Quite often include things farmers don't know about. Farmers always interested, even if can't change what they do. 2. Map and spreadsheet work well.
12	Countryside Stewardship agent	1. Supplementary guidance is good, useful this names the case officer and gives their contact details. 2. Don't know a lot about the historic environment so specialist input is really useful. If didn't have advice might not come up with appropriate options.
13	Countryside Stewardship agent	Good maps are digital, not wasting lots of paper.
14	Countryside Stewardship agreement holder	That's a question for my agent.
15	Natural England/Forestry Commission adviser	Good initial information and starting point. Get a good idea of what needs doing, what may not be up-to-date. Can sit at desk, look at maps, look at comments and go from there.
16	Natural England/Forestry Commission adviser	Provide information from a variety of different sources in one place – Historic England, HERs. One stop shop, brilliant.
18	Natural England/Forestry Commission adviser	1. Interesting to know what is there. 2. Like the use of parcel numbers/parcel led approach. Can work through parcel by parcel.
19	Countryside Stewardship agent	1. Interesting to see what is on the farm. 2. Good when you contact someone to follow-up.
20	Countryside Stewardship agreement holder	1. Interesting to see what is one the farm.
21	Countryside Stewardship agreement holder	Maps
22	Countryside Stewardship agent	Maps
23	Natural England/Forestry Commission adviser	1. Fantastic system, a few tweaks would make it better. 2. Up-to-date, with local authority advice.
24	Natural England/Forestry	1. They are really useful. 2. Standard format

	Commission adviser	3. Tables
25	Natural England/Forestry Commission adviser	Not much. 1. Automated process, certainly helps. 2. Portal is good.
26	Natural England/Forestry Commission adviser	Think they are very good.
27	Countryside Stewardship agent	1. Useful information. 2. Always interesting.
28	Countryside Stewardship agent	1. Table does describe features, says what needs to be done. 2. All elements make sense. 3. document names quite good.
29	Countryside Stewardship agreement holder	Neither like not dislike.
30	Natural England/Forestry Commission adviser	1. Have the detailed advice needed to look after historic features. 2. Come from experts. 3. Can contact people with queries. 4. Like the overview and feature maps. Map based is good.
31	Natural England/Forestry Commission adviser	1. Interesting. 2. Good to pass onto applicant.

Agreement holders, agents and FE/NE: How could HEFERs be improved?

Interview/ participant number	Type of participant	Comments
1	Countryside Stewardship agent	1. Additional information on priorities. Need to know why sites are high, medium or low priority. Need to know which of high priority sites are most important. Needs to be clear when management of a scheduled monument or SHINE site is essential. 2. Making sure records are up to date. Are all ALGAO members' datasets complete? Some scheduled monuments have very little information. 3. Wider/public access to SHINE data, perhaps to accredited members assessed by ALGAO members? 4. Earlier access to information and advice. Some holdings start work on agreements 18 months/2 years before a HEFER can be requested. 5. Advice all on one line in a table. 6. Inclusion of cropmark/NMP plots. Need to know where cropmarks are. 7. Condition ratings for historic environment sites?
2	Natural England/Forestry Commission adviser	1. Making them available for Woodland Management Planning Grant and Woodland Creation applications. Would help applicants as design stage. May save redesigns later. Good know if there are any show stoppers early. FC consultations are late in the process. 2. Advice could say all woodland management should be compliant with the UK Forestry Standard.
4	Natural England/Forestry Commission adviser	1. Need historic environment information as early as possible. In ideal world FC would look at SHINE Data in GIS. Much more useful to access this way. Could Woodland Planning Grant applications have a HEFER? 2. Not everyone writes a management plan to get into CS - having information at the plans stage would avoid issues later. Earlier

Interview/ participant number	Type of participant	Comments
		<p>information also useful for woodland creation.</p> <p>3. SHINE data could be made publicly accessible. Are local authorities reluctant? Worried about loss of income? Could a lite version be made available? Perhaps just with a map and reference?</p> <p>4. Face to face interaction/meetings on site are really useful. They are the only way to make sure historic environment features are not damaged.</p>
5	Natural England/Forestry Commission adviser	<p>1. Less information, need to drill down, currently overloaded. Only need overview map.</p> <p>2. Woodland management plans, felling and replanting need historic environment advice.</p>
6	Countryside Stewardship agent	<p>1. Some sections of the HEFER are not used. Use Excel and feature maps to check eligibility. Don't use area maps, consultation response document or feature management maps, unless there are problems.</p> <p>2. Maps could be improved for applicants.</p> <p>3. Should include sites that agents record in FERs and HLS FEPs and that are known about by land managers. Without these lots of information is missing from HEFERs. In one case spoke to local authority about additional features who were not willing to add them to the SHINE dataset after the HEFER had been produced.</p>
7	Countryside Stewardship agent	<p>1. Are quite dry, in table format. An abstract/summary would be useful/welcome – it could say which site is most important, followed by 2nd, 3rd etc.</p> <p>2. More on landscape context. Early HLS consultation provided historic maps, information on field boundary loss. Was nice but understand demand on local authorities and time constraints. Can make best gains with farmer on landscape scale – old maps needed to justify hedge planting, support pond restoration. Lucky county has historic maps online.</p>
8	Natural England/Forestry Commission adviser	<p>Perhaps as good as they can be when autogenerated?</p> <p>1. If site really important need to know about it at management plan stage. Most management plans don't focus on historic environment. Normally need to point out historic features on site but acting blind, without HEFER. Onus is currently on FC staff to do homework before meetings. Onus is on FC to ensure UK Forestry Standard is followed – should have to go to local authority websites to search for archaeological information. Often do more research than woodland agents. Some management plans can be brilliant. Harvest planning around historic features should be best practice. Encourage woodland owners to look at one county's environment mapping online. How would HEFERs at the management plan stage be paid for? Most woodland owners don't want to pay for historic environment advice as they feel it may not be of any benefit.</p> <p>2. Advice on scheduled monuments relates to felling but not other forestry works. For the good management of scheduled monument HEFERs should anticipate other works.</p>
9	Countryside Stewardship agent	<p>1. More opportunity to update SHINE data. I do not consider that the current balance is right – in some cases there has been no opportunity to update the SHINE database at application stage. Not all applicants will receive a HEFER if there is no SHINE data. Those that do, whilst the HEFER highlights archaeological features, it will only be as good as the data sets used to inform it. There is a recognised gap in this data (due to lack of resources) and now further</p>

Interview/ participant number	Type of participant	Comments
		<p>exacerbated as there is no opportunity for local authorities to add SHINE features as part of a consultation process at Mid Tier application stage (unless there is a Scheduled Monument present). This will mean missed opportunities to protect and raise awareness to the value of the historic environment through schemes as they are currently being managed.</p> <p>2. Much of the older generation know what they have, are interest, explaining to them what they have is educational, positive. HEFERs is a good starting point but can do more.</p>
10	Natural England/Forestry Commission adviser	<p>1. Could be more readable. Tend to quickly look for problems/major issues that need to sort out or approach farmer to negotiate.</p> <p>2. Number of documents could be reduced, less repetition between documents.</p> <p>3. SHINE sites on Magic? NE involvement may reduce going forward, so perhaps for 2025?</p> <p>4. Want experts to give their opinions, not an expert, so want to be told what to do. Need clear advice, to allow NE advisers flexibility. Want to know what is ideal, then other possibilities.</p> <p>5. Need to know what holding and national priorities mean. How do these translate to essential?</p> <p>6. Include map numbers in site/advice tables.</p> <p>7. Case officer should be named and their contact details given.</p>
11	Countryside Stewardship agent	<p>1. Leave out generic information when it is not needed, to reduce confusion.</p> <p>2. Aerial surveys are very useful.</p>
12	Countryside Stewardship agent	<p>1. Could more information be available on Magic or RPA online? Putting SHINE data on RPA online would streamline the process. Only farmers and agents can use RPA online. Is straightforward to use. Provides land use information.</p> <p>2. Information be provided earlier in the process. HEFER comes late in the process of putting an application together. Often work on an application over the winter, before able to request application packs. Could a farmer or agent request a HEFER a year in advance? When know want to continue an expiring scheme?</p> <p>3. Annual meeting with HEFER authors, so can discuss, have face-to-face contact, training even for agents? Could it be tacked onto something else? NE stewardship scheme practitioners meetings or workshops?</p>
13	Countryside Stewardship agent	<p>The idea is farmers will do more on ELMS themselves, without advisers, so need to be easier and simpler to understand.</p> <p>1. Advice could be laid out better, so easier to understand. Spreadsheet could be simpler. Drop columns not needed by end user (for example, HAR risk, HAR principal vulnerability).</p> <p>2. Only include information relevant to end user.</p> <p>3. Separate tables for scheduled monuments and SHINE sites. Some scheduled monument columns are not relevant for SHINE sites. Would avoid confusion over blank fields.</p>
14	Countryside Stewardship agreement holder	That's a question for my agent.
15	Natural England/Forestry Commission adviser	Perhaps a couple of columns could go?

Interview/ participant number	Type of participant	Comments
16	Natural England/Forestry Commission adviser	<p>1. Need to go back to basics. Who is the audience? How are they accessing the information? Need a product that is applicable to all habitat types. Can do things now could in 2006 when SHINE devised – need to look at ‘son of SHINE’.</p> <p>2. Need to challenge some of the assumptions made in 2006/7. Some of the complaints now are about decision made then, they were the right decision then but not now. For example, the reason needed to combine features into single SHINE polygons was couldn’t display lots of information on maps and map keys. But GIS has moved on. SPIRE standard no longer used, no longer relevant? When digital by default came in lots of standards and requirements were swept aside.</p> <p>3. Maps could be an interactive GIS resource. Complexity of layered dataset can’t be represented on paper, in 2006 SHINE criteria were developed with this in mind. Now people are used to turning web map layers on and off.</p> <p>4. Need to factor in regular review and update of data and approaches. At moment no one’s job to monitor if SHINE and HEFERS are fit for purpose.</p>
17	Countryside Stewardship agent	<p>Although I haven’t seen a HEFER it sounds like they would help. Would be best to get them at the start of woodland planning.</p>
18	Natural England/Forestry Commission adviser	<p>1. Must meet national standards.</p> <p>2. Could different colours be used on maps or in tables for buildings, below ground remains, above ground remains etc? More likely to be able to work on above ground remains.</p> <p>3. Could symbols be used in tables to highlight SHINE sites of high importance, to help prioritisation.</p> <p>4. Not all HEFERs include contact details for the author. Fundamentally need to know who has produced it and how to contact them to ask questions. It is quick and easy to pick by the phone or email, best to do this before talking to an applicant. Securing ALGAO backing can help negotiations.</p>
19	Countryside Stewardship agent	<p>Simplicity is the key.</p> <p>1. Only need map showing features and a table explaining each feature (what it is and how to manage it).</p> <p>2. Make sure they come out in good time. This has improved in last few years.</p>
20	Countryside Stewardship agreement holder	<p>Only need map showing features and a table explaining each feature (what it is and how to manage it).</p>
21	Countryside Stewardship agreement holder	<p>Simplicity.</p>
22	Countryside Stewardship agent	<p>1. Simplicity. Try to make simple agreements, but these don’t go hand in hand with SHINE sites.</p> <p>2. SHINE polygons needs to be mapped more precisely. If one creeps over a boundary it will cause problems. Polygons should follow RPA data/parcels.</p>
23	Natural England/Forestry Commission adviser	<p>1. Would be good to get HEFERs 9 months earlier.</p> <p>2. More user friendly for applicants – drop codes, advice to be given long hand, possibly same for options.</p>
24	Natural England/Forestry Commission adviser	<p>1. Provide a glossary that is tailored to the words used in the HEFER, to help agreement holders understand specialist language. A full standard glossary would be huge!</p>

Interview/ participant number	Type of participant	Comments
		2. Ensure consistency between SHINE records. One park pale covered by several SHINE records, all with different names and different information. 3. Some SHINE names/descriptions not clear, ie 'Prehistoric barrow'.
25	Natural England/Forestry Commission adviser	1. Whatever system have needs to be user friendly as possible. Some much staff churn within NE, many experience advisers have left. Only one NE area team has an archaeologist now, area teams are losing staff across the board. 2. Training package upfront for end users. Webinar, on the front of the portal? For those new to using them, to explain how system works, to give examples of how HEFER works, to inspire applicants to use HEFERs to do something on their holding.
26	Natural England/Forestry Commission adviser	1. It would be useful if the maps showed high, medium and low priorities in a visual way.
27	Countryside Stewardship agent	1. Early access is vital. 2. More information would be useful – know this comes at a cost. Some big estates have paid, most unwilling to part with money, historic environment not a priority. 3. Revisit list of suitable options, to cover multi-objectives.
28	Countryside Stewardship agent	1. Make them more accessible, better presentation, people would be more interested. 2. Perhaps limit number of tables? 3. Reduce number of documents. Could some be merged? 4. Encourage use of online HERs.
29	Countryside Stewardship agreement holder	Could include option suggestions, perhaps in map key.
30	Natural England/Forestry Commission adviser	1. Could management codes go on the maps? 2. Clarity on priorities. If a site is low priority, should it be managed? How far can we go to say need to address the management needs of a SHINE site? 3. Could sites beyond holding not be shown on maps? Could they be filtered out? It is interesting to know they are they but not necessarily relevant.
31	Natural England/Forestry Commission adviser	Make it easy and I'll do it. Need to make them easier to understand and people will engage. Advisers have so many things to consider, historic environment one of many diverse objectives, need simplicity to support work. To be well used needs to be slicker, needs to be off the shelf. 1. Simpler layout – need to know what's there, what needs to be discussed, how to take it forward. Make sure important sections stand out. 2. Simpler, punchier, bespoke content.

Agreement holders, agents and FE/NE: Any other comments?

Interview/ participant number	Type of participant	Comments
1	Countryside Stewardship agent	1. SHINE sites are blockers to capital works, such as fencing to support grazing. Currently need to seek follow-up advice. Particularly difficult when a very small part of a SHINE site is in a parcel –

Interview/ participant number	Type of participant	Comments
		<p>potentially removes the whole parcel from capital works, even if the historic feature is clearly in an adjacent parcel. Also difficult where parkland is a SHINE feature – beneficial fencing is automatically blocked.</p> <p>2. Payments can be low. Why should more be paid to restore than continuing long-term positive management? Need to think about possibility taking land out of cultivation results in land becoming long-term grass – need to consider higher payments to compensate for loss of land value.</p> <p>3. Public goods for public benefit – should this require sites to be open to the public, visible from a PRoW, ongoing maintenance, interpretation?</p> <p>4. No special projects available in CS, unlike HLS. PA1/PA2 process is difficult</p> <p>5. If we want to protect the historic environment, we must take it seriously.</p>
2	Natural England/Forestry Commission adviser	<p>1. HEFERs and the historic environment can be blockers to agreements – often means can't set up agreements.</p> <p>2. In general forestry section respects the UK Forestry Standard. However, this is guidance. Without grant funding historic environment features are only protected if they are designated. Woodland management plans are aspirational, can't follow up any issues unless there is grant funding. Licences cannot have conditions that protect the historic environment; this can only be advised and not enforced.</p>
4	Natural England/Forestry Commission adviser	Local authority archaeologists charging for desk-top surveys and field visits can be a barrier to applicants.
5	Natural England/Forestry Commission adviser	<p>1. CS is a simple shopping list – owners often pick easy wins, minimal number of prescriptions.</p> <p>2. Felling licences – only consult on scheduled monuments. New planting ask about all features.</p> <p>3. FC bends over backwards to accommodate the historic environment. Don't really understand what features are but know enough to be careful. Many good features survive because trees have been planted, protected especially from agriculture. Sometimes feel archaeologists dislike trees – they are not necessarily bad things. More woodland creation will protect more archaeological features, as long as act sensitively and don't drive on features.</p>
6	Countryside Stewardship agent	<p>1. Why can't SHINE sites be included on Magic? With a disclaimer? With a log in?</p> <p>2. Historic options are badly paid, so rarely use them (so don't need information in Consultation Response document). Other options normally pay better, normally chosen before HEFER arrives.</p> <p>3. RPA has killed the scheme. Agreement holders are worried about inspections. It's all about ticking boxes, about getting an agreement that won't come back and cause problems.</p>
7	Countryside Stewardship agent	1. Fencing and gates area major issue with SHINE sites, most common obstacle. Want to fence arable reversion sites, in some cases replacing existing, to support positive grazing. Also want to fence parkland, that's been created or needs grazing. Scheme doesn't allow fencing on SHINE sites, halts process. If include fencing on a SHINE site the application is put in the error queue. Can HEFERs predict

Interview/ participant number	Type of participant	Comments
		these issues? Offer support for fencing proposals? In most cases archaeologists happy for fencing.
8	Natural England/Forestry Commission adviser	<ol style="list-style-type: none"> 1. Never hear back from one local authority about Woodland Creation applications. 2. Forestry generally respects/protects historic features. Seen as a constraint. Should become cultural to look after historic environment. 3. A Woodland Trust HEFER covered woods across the southwest, as requested under one SBI. Resulted in large HEFER across many counties. Could have been broken down further, by holdings. Can this be addressed going forward? Woodland Trust normally addresses heritage issues anyway. 4. Some applicants do everything they are asked, others do the bare minimum. 5. Have been out to a lot of illegal felling undertaken as part of Mid Tier agreements. Coppicing boundary trees, for example. Some of the boundary work may not have been right for the historic environment. Another case involved felling trees on a hillfort. Frustration with Mid Tier being self-prescription, legislation not being followed. 6. Re-parcelling by RPA puts a halt to agreements. Trying to get a management plan for a large estate with much registered parkland and SSSI, took RPA 3 years to draw up parcels. Head of RPA aware.
9	Countryside Stewardship agent	<ol style="list-style-type: none"> 1. Losing ridge and furrow, little to stop its destruction if work is beyond the scope of the EIA regulations. 2. In a recent case a farmer removed medieval strip wall, EIA unit told, they stopped him for 2 years unless he seeks a scoping opinion. 3. Very few requests for Mid Tier applications in last few years. The scheme has bad press, agreements have not been sent out on time (some arrive 6 months after start date), there is lots of literature to read through, wildlife offers are easier but still complex, some farmers have poor internet connections, others don't have computers, many don't like paper work, won't read handbooks. People are wary, with Brexit and BPS disappearing - a lot are waiting to see what happens. 4. There are things Mid and Higher Tier cannot address. Given staff capacity at NE likely less will happen. Prepared a recent Higher Tier application, some options as not time to deliver them – scrapes on archaeological sites required investigation before agreement issued, no time for this; building restoration option also taken out. 5. How many applicants report features not on HEFER to RPA? 6. Section 6 of scheme handbook states 'HEFER will give free information... You must add information to the FER...'. But the key down the side of the FER map says only add additional features not shown on HEFER.
10	Natural England/Forestry Commission adviser	Important to have a link with the local authority archaeologists. Currently process is remote, discourages contact and consultation.
11	Countryside Stewardship agent	<ol style="list-style-type: none"> 1. On arable farms can find out more from farmers than HEFERs. 2. More HEFERs see, more realise it is not easy to persuade farmers to take up historic options. Can't force them, unless there is a scheduled monument. Farms make business decisions.
12	Countryside Stewardship agent	<ol style="list-style-type: none"> 1. Before meeting a farmer always check for scheduled monuments on Magic. 2. Didn't know SHINE sites have to be manageable under

Interview/ participant number	Type of participant	Comments
		<p>stewardship.</p> <p>3. If want to protect archaeological sites income is important. Payments should properly reflect the work undertaken.</p> <p>4. Face-to-face contact is really important. Mostly work on Mid Tier. Don't see NE or historic environment adviser like used to.</p>
13	Countryside Stewardship agent	<p>1. Have struggled when both Historic England and local authority have commented on scheduled monuments and parkland, when they have given different views/advice. Hard to decide and find out whose comments should be followed. Lack of joined up working. Need clear and consistent advice.</p> <p>2. Didn't realise essential column only applied to scheduled monuments.</p>
14	Countryside Stewardship agreement holder	<p>1. Took archaeological sites out of cultivation under original CS. Upset when went into HLS told was would receive lower payments, able to make case to retain arable reversion payments. Under CS moved onto grassland payments. Now paid £90 per ha, was previously paid £460 (HD2) plus £16 (HD5) per hectare. Income reduced from £21K a year to £11K. Understood when took land out of cultivation had cost of sowing grass but payment was based on income foregone, made decision to do it because payments fair compensation. Understand under CS didn't have sowing costs but still need compensation for income foregone. There is no way grazing with sheep compensates for not growing wheat, barley and sugar beet. Issues raised with NFU regional representative, MP and Natural England senior managers.</p> <p>2. Public money for public good going forward. In past paid for permissive paths, but these payments have now gone. Dare not close them but why should I provide them for nothing? Losing income. Entitled to close them. But people love looking at the sheep and deer, they are used every day. Don't want to fall out with people.</p> <p>3. All my arable in min til but not for archaeological reasons. More cost effective to direct drill. Done by a contractor who is talking of selling their plough.</p> <p>4. Scheme is a disaster for cash flow. Paid for 2018 in July 2019. Not yet paid for 2019, should have been paid in June 2019. Have had to get a large overdraft from the bank. RPA not able to answer questions, always a different person when I call. If the RPA is not going to pay me to protect archaeological sites as promised, why not plough them?</p> <p>5. Tried to get CS funding for recreating parkland. NE not keen. Not enough time to develop plan and secure CS funding.</p>
15	Natural England/Forestry Commission adviser	<p>1. No direct contact with one ALGAO member, they have completely opted out and their HEFER responses are autogenerated.</p> <p>2. Lucky to have a proactive historic environment lead within my NE team.</p> <p>3. Historic environment doesn't jump out when applications are being put together. Don't feel the scheme promotes the historic environment. Some colleagues openly admit they don't necessarily consider the historic environment.</p>
16	Natural England/Forestry Commission adviser	<p>1. Natural England doesn't have the relationships with agreement holders it once did. This is a consequence of the scheme – NE advisers are technical advisers on someone else's scheme.</p> <p>2. Scheme is about setting up straightforward agreements with low risk of inspection issues, not about environmental benefit or value for</p>

Interview/ participant number	Type of participant	Comments
		<p>money. Ministerial direction was to develop a scheme with 0% risk of disallowance. Post-Brexit need fewer inspections, more trust, more flexibility, missing from the existing scheme, needs to be built back in.</p> <p>3. Not seen any HE1 projects in region yet. Agents and agreement holders seem them as too risky. Need to plan 2-3 years in advance. Structural impediments with the scheme are preventing the right environmental ambitions being achieved. Includes PA1/PA2 process.</p> <p>4. RPA has decided contingencies are not allowed in a budget for HE2/traditional farm building restoration. Misses point historic building restoration cannot be delivered under a fixed price tender. At same time, contingencies can be included under HE1.</p> <p>5. In HLS could amend agreements in light of management plans etc, so much better than the current system, meant could secure considerable investment in sites and agreements.</p> <p>6. In HLS could roll money over from one year to next, where weather, probate etc had impact. Not possible in CS, has had a knock-on effect on what can be delivered.</p> <p>7. CS is too one size fits all. Doesn't fit anybody.</p> <p>8. One RPA adviser suggested SHINE sites indicate where archaeology doesn't survive, only scheduled monuments actually survive.</p> <p>9. ALGAO needs to consider wider sharing of data, would be good to get as much out there as possible. What are the risks of doing this? How can they be mitigated? Will it confuse? Will it stop future consultation? No previous scheme has included direct consultation of HER data. There are people out there who will misuse data and cause harm but most people won't. Public sharing of information is vital to prevent harm being caused by accident. Can release in a way that highlights complexity, how can secure value for money and encourage contacting local experts. Provision of data isn't a threat, it justifies the reason for existing. Ultra-cautious approach is understandable but can be self-defeating.</p> <p>10. Public engage with historic environment more than ecological interest. Should be using this to persuade people to join schemes, should lead with heritage. At the moment have to want to go into a scheme to get heritage information.</p> <p>11. SHINE data was designed for use by NE advisers. Now being used for a different audience. Not be used to its full potential.</p> <p>12. At moment FC is not licenced by ALGAO to use SHINE data. There are concerns about its use in woodland – SHINE is poorly represented in woodland, originally part of periodisation was to exclude sites in woodland (as EWGS did not have facility to consider SHINE), FC has autonomy on woodland options and have left historic environment options to NE, woodland options don't allow for management of historic environment, many woodlands not studied, how many ALGAO members use lidar to create SHINE records. Can't currently use SHINE for woodland agreements as it is unreliable – there are national level issues that need addressing.</p> <p>13. Over next 10, 20, 30 years will agri-environment fund the majority of environmental work? Or will it be one of a set of tools? Could SHINE/HEFERs be used across funding streams? Don't expect 70% coverage by agri-environment again. NE is one player in a much broader picture. ALGAO would be in a better position to ask for funding if the scope of SHINE was widened. Where is funding available? Environment Bill, Netgain, Nature Recovery Networks,</p>

Interview/ participant number	Type of participant	Comments
		<p>Natural Capital Accounts?</p> <p>14. NE's 'Natural Capital Atlas' project can only use publicly accessible datasets. Missed opportunity for the historic environment.</p> <p>14. What approach does ALGAO want? High priority sites? Broad brush?</p> <p>15. Historic environment section needs to show confidence, be bolder. In past some of greatest gains have come from being confident, being involved.</p> <p>16. Hard to quantify opportunities missed. ALGAO could ask NE and other partners for case studies.</p> <p>17. NE has lots of experience to offer ALGAO.</p>
17	Countryside Stewardship agent	<p>As forester aware have to follow best practice given in UK Forestry Standard, have to take on board historic environment, it is a key management parameter of equal importance to others. Know local authority archaeological adviser, who I email to solve issues. National Parks tend to be helpful and respond quickly. Have worked with scheduled monuments and sought advice and permission from Historic England. FC consult on woodland creation.</p>
18	Natural England/Forestry Commission adviser	<p>1. Many buildings have SHINE records, often when not in land eligible for CS. There is a SHINE record for a Post Office, for example.</p> <p>2. Fencing is a stumbling block on SHINE sites.</p> <p>3. Heathland management needs input from archaeologists but difficult to do this when each year's agreements have to be set up in a window. Under HLS had time, as worked on a month by month basis.</p> <p>4. It can be difficult to get historic environment included when an agent has worked up an agreement including highest paying options, the NE comes in later. Perhaps an issue in Mid Tier too? Do ALGAO members educate agents and agreement holders?</p> <p>5. ELMS could bring a wider understanding of and focus on heritage features.</p>
19	Countryside Stewardship agent	<p>1. SHINE features can be a restriction. Can't put fencing on them, which is frustrating (ridge and furrow, with existing fencing, for example). Local authority archaeologists are helpful, they must get many questions. Some NE and RPA don't understand why/when fencing is OK and automatically throw out applications as a result.</p> <p>2. Had one SHINE feature which covered a whole holding (parkland). Restricted yard options, including concrete surfacing.</p> <p>3. Had a ring ditch polygon that covered a whole field, while the feature was in a limited area. ALGAO staff need training to understand why this is problematic.</p>
21	Countryside Stewardship agreement holder	<p>1. Computer said no to fencing on a scheduled monument, led to a run in with Historic England. Did get SMC then could get CS funding.</p>
22	Countryside Stewardship agent	<p>1. Prescriptions are prohibitively difficult. Harrowing and rolling, for example, which you can't manage grassland or livestock without (needed to manage poaching and molehills); many people ignore the prescriptions and harrow and roll anyway. Perceived opinion that they are damaging is wrong.</p> <p>2. Farmers like the capital works available in CS but they can't get fencing on SHINE sites. Can be deeply infuriating and a hindrance. The entirety of one ancient wood is a SHINE site (with a very roughly drawn polygon). Meant not able to fence the wood until able to get</p>

Interview/ participant number	Type of participant	Comments
		supporting email from local authority archaeologists.
23	Natural England/Forestry Commission adviser	The RPA often makes mistakes when ordering HEFERS, usually by leaving out parcels, which leads to incomplete HEFERS and the need to request them again. Unusual for this to happen when NE was requesting HEFERS.
24	Natural England/Forestry Commission adviser	<ol style="list-style-type: none"> 1. Had spent two years negotiating one particular agreement, then applicant pulled out at the signing stage. Felt not enough money for the farm, given the restrictions the agreement would put in place. Contained scheduled monument, parkland, SSSI – now have no management. Not uncommon. NE workload means can't do everything would like to. CS a lot more involved that old scheme. Would have done 10-15 a year, now 3-4 maximum, often 1-2. 2. Reduced contact between NE and archaeologists. Used to request consultation directly, knew who the archaeologists were, would speak to them. Now more formalised process, one step removed as RPA request HEFERS. 3. Grade I park with several Scheduled Monuments, including one in arable. HEFER really useful – found out Historic England wanted a buffer zone, would have known otherwise. Flagged up who need to speak to for SMC to replace fencing. Found out whether min til was suitable or not.
25	Natural England/Forestry Commission adviser	<ol style="list-style-type: none"> 1. SHINE does not cover all historic environment assets that could be damaged across a holding. HEFERS doesn't flag up the archaeological important of peat and what could be buried. Real problem when have so much project work involving upland moorland restoration, river restoration, scrapes etc. Advisers look at HEFER, see nothing there, feel it's OK to do ground works. What SHINE is, how it is used, could be articulated much better on the portal. 2. Historic environment sector needs be upfront about blanks in the record, highlight additional stuff is yet to be found. 3. Should revisit use by other parties. Woodland creation. Large scale planting in uplands, follows UK Forestry Standard but not understanding non-designated resource. 4. Automation is good but have lost the ability to speak to historic environment colleagues as result of SHINE website/process. How can we build discussion back into the process? Need to restart contact and liaison. Could get much better outcomes. There is an issue at NE with staff changing, advisers no longer allocated agreements, all requests go to a hub, next person available picks up case work. 5. If SHINE/HEFER sits within the RPA, the RPA and DEFRA need technical advice to better understand the process. NE can provide this, but only when RPA/DEFRA realise they need advice and request it. 5. NE may not have any staff responding to queries sent to the NE contact in the contact section of the SHINE website. 6. Missing a trick in scheme delivery – need to say why it is so good for historic environment delivery. HLS had enormous benefits, millions spent on the historic environment, on restoration, capital works etc. Hit buffers with CS, as such a horrible system. NE still trying hard but not involved in scheme early enough to make things happen. 7. ALGAO members are reducing their involvement as they never hear from NE about what has been delivered. Need reports across

Interview/ participant number	Type of participant	Comments
		sectors so we know what is being delivered for all objectives. I only know about specific case work.
26	Natural England/Forestry Commission adviser	<ol style="list-style-type: none"> 1. Once archaeology has gone its gone. 2. Have worked on some farms for years, some farmer just not interested in the historic environment. 3. When NE was requesting HEFERS knew agreements working on, would request HEFERS as soon as window opened. Not being requested as timely now, so using information from previous agreements. 4. Useful to get information as early as possible. Can see SHINE and scheduled monuments in NE GIS toolkit. Earlier the better to start dialogue with applicant. 5. Working on a few parklands. Putting briefs together for parkland management plans, going out to tender but don't have information upfront, won't get HEFERS until after brief issued and agreement being worked on. Landscape architects should have their own process in place, for example consulting Historic England on designated parks. 6. One agreement last year has some of everything, needed to speak to ALGAO, Historic England, NE historic environment adviser. Helped farmer understand importance. NE alone can find it hard to convince farmer of importance of historic environment. Used to have contact will ALGAO members, partnership working. Site meetings always helpful. Can give added extra backing. Less so know, can still call but know people busy, don't call unless must. Lose contacts quickly.
27	Countryside Stewardship agent	<ol style="list-style-type: none"> 1. Hoping ELMS will change farmer focus, hope they will value historic landscape. At moment scared of it. In future could be seen as natural capital, public good. Nee perception to change. 2. 9 times out of 10 when have problems it is the historic environment. Feel experience helps deal effectively and get good results. Depends on background, farmer may not want to deal with archaeology. They should avoid it, should embrace it. 3. Some bigger agreements work on months ahead of packs being requested. Some start in summer, can only get pack following February. Frustrating, can't plan, need to wait for HEFER. In these cases have approached NE to see if they can change their systems. Some NE adviser helpful. 4. In some cases know there is archaeology in a field but not sure where it is, means can be difficult to persuade a farmer. For example, had a 50ha field with a SHINE record, needed to go back to county archaeologist to find where in the field it was. Old HLS consultations would have had this sort of information. 5. Advice on general management is not good enough. RPA look at a manual to see which options are acceptable for archaeology. If an option is not on the list they will say it can't be included in an agreement. RPA inflexible, causes a lot of problems. For example, one scheduled monument persuade farmer to use AB8, which can put across a whole field, so covered all archaeology, nice payment, flower rich meadow would be seen by public from road. When drafted agreement RPA had lots of queries and said no. Took a lot of extra work, call to Historic England, to get it through. Historic parkland case: drew up application doing right things on ground, repairing poaching, controlling stocking levels etc. HEFER came back day before application due to be submitted. Agreement good for the historic

Interview/ participant number	Type of participant	Comments
		<p>environment but RPA Said no. County archaeologist contacted, fully supportive, RPA said OK. However, RPA and SHINE threatened whole agreement, which was worth about half a million to the applicant. Query should have been passed straight away to an archaeologist, perhaps in house within the RPA or who has access to application information. Frustrating correct procedures are not in place. Shouldn't always be put back on agent or applicant. If didn't care about the historic environment would just give up. Is putting people of the scheme. CS was designed to reduce administration of agri-environment, understand this. Previous schemes had 1000s of amendments, which was expensive. But current scheme really effects outcomes. Need common sense to prevail.</p> <p>6. Worked on a scheduled monument, want to reduce depth of cultivation. Farmer happy, even though he didn't know he had a scheduled monument. Needed a letter of support from Historic England. They did not provide this, despite many calls and emails. It is still being deeply ploughed. Procedure followed but didn't get a response, only needed an email. Another scheduled monument where brickwork need repair. Historic England visited site, gave support, but didn't follow it up in writing. Only got SMC when senior manager became involved, took two years. Another case offered Historic England chance to comment on a PA1 twice – 6-7 months later wanted changes, after everything agreed and in place. Very frustrating. Happens repeatedly, brings work to a halt. Expect a level of service, conservation through agri-environment should go to the top of Historic England's list, Historic England need to back up with passion with action, need help to achieve good projects. Depends on individuals. Lack of response creates extra work, not charging landowners for huge number of extra hours required to work with Historic England.</p> <p>8. Agreements have to be practical, achievable, farmers have to be happy to make it happen on the ground. People have to understand how landowners think. Let farmers manage their good land, focus on poor quality land.</p> <p>9. Some archaeologists are single focused without compromise, won't look at the balance. Others very good, after results.</p>
28	Countryside Stewardship agent	<ol style="list-style-type: none"> 1. Archaeological input, especially interpretation is valuable. 2. Involved in Exmoor ELMS pilot, which is looking at how to handle historic environment data. 3. Know the HEFER process is one way, with little feedback to HERs.
30	Natural England/Forestry Commission adviser	<ol style="list-style-type: none"> 1. Most historic features see are on low input grassland. 2. Evidence requirement in early years of CS were difficult. 3. Is Historic England advice in HEFERs generic or tailored? After one HEFER said Historic England doesn't get any feedback on agreements make effort to contact them to check they are happy with how agreement has been put together. 4. Had to leave one scheduled monument out of an agreement, given the amount of work needed, barrow being eroded by a footpath), needed breathing space to get things right. Local authority land, local authority archaeologist happy with the approach. Historic England wanted the barrow fenced but as on common land it would have taken a long time to get necessary permission, decided to go for feasibility study instead.

Interview/ participant number	Type of participant	Comments
31	Natural England/Forestry Commission adviser	<p>1. One local authority has opted out, this makes it difficult to get NE advisers to engage, doesn't help the historic environment cause. Everyone knows they are not taking part, discourages advisers from looking at HEFERS, many advisers focus on biodiversity and need reminding to keep historic environment in mind. Worried some projects in the uplands will damage the historic environment because they have opted out.</p> <p>2. In past not all parcels included in HEFERS. Often spotted too late to deal with.</p> <p>3. Something fundamentally wrong with the application form for Mid Tier water quality agreements, means management of SSSIs and scheduled monuments is not being addressed. Form needs changing: has link to manual, but not relevant sections. Need to consider designated assets should jump out on form. RPA is not doing checks early enough to stop problems. Shouldn't have to secure quotes then find application rejected.</p>
N/A	Participant in Natural England HEDs call	<p>Most of one local authority's SHINE sites are high priority. Why is this? How is the priority rating assigned? Why are some site types given higher priority scores than those assigned by other local authorities? May be legitimate reasons. Keen to see differences smoothed out.</p>