Natural England Commissioned Report NECR133

Monitoring the Impacts of Entry Level Stewardship

Annex 1

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Monitoring the Impacts of Entry Level Stewardship

Annex 1

Dear Sir/Madam,

Evaluation of the impacts of Environmental Stewardship

The Food and Environment Research Agency (Fera) (formerly the Central Science Laboratory, CSL) has been contracted by Natural England to carry out an evaluation of the Entry Level and the Organic Entry Level strands of the Environmental Stewardship scheme, at the end of its first five years of operation. This follows on from an earlier evaluation that we undertook in the first two years of the scheme, 2005-2006. The information from this earlier evaluation was very helpful in enabling Defra and NE to understand the views and concerns of participants, and was used in a review of the operation of the scheme which led to a number of improvements, including new options, improved guidance and greater availability of advice.

A key part of this follow-up evaluation will be feedback from farmers, both participants and non-participants. During 2011, we are looking at the first phase of agreements, which started in 2005 and 2006, and would like to revisit farms with agreements from which we collected baseline environmental information in the initial evaluation. Our records show that your farm was one of those assessed during the previous evaluation and we would be most grateful for your help with this follow-up work. A questionnaire is enclosed with this letter. I would be extremely grateful if you could complete and return this questionnaire by post (in the envelope provided) as soon as is convenient. It should take around 20 minutes to complete the questionnaire.

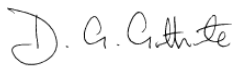
We would like to interview some of those involved in the previous evaluation. If you are selected, one of the staff from the evaluation team will contact you in due course, by telephone, to arrange a mutually convenient time for a visit, if you are willing. The interview will help us to assess your experience of and attitudes to the scheme and obtain information on the management of options undertaken, and secondly. The visit interview is expected to take no longer than one hour.

The interview will be followed up by an environmental field survey of options on the ground, subject to your permission. The field surveyors will contact you to arrange the visit, during which they will record information about the environmental features managed under ELS or OELS options on your agreement land.

This survey is voluntary. The information you provide is covered by the 1998 Data Protection Act, and will not be used for any purpose other than the evaluation of the Entry Level schemes. All data will be treated in confidence and only amalgamated results will be reported. I should emphasize that this is **not** an inspection, and no individual farm data will be passed to inspection agencies.

May I thank you in advance for your help with this exercise.

Yours sincerely



David Garthwaite

01904 462694

Figure 1 Phase one participant letter

Dear Sir/Madam,

Evaluation of the impacts of Environmental Stewardship

The Food and Environment Research Agency (Fera) (formerly the Central Science Laboratory, CSL) has been contracted by Natural England (NE) to carry out an evaluation of the Entry Level and the Organic Entry Level strands of the Environmental Stewardship scheme, at the end of its first five years of operation. This follows on from an earlier evaluation that we undertook in the first two years of the scheme, 2005-2006. The information from this earlier evaluation was very helpful in enabling Defra and NE to understand the views and concerns of participants, and was used in a review of the operation of the scheme which led to a number of improvements, including new options, improved guidance and greater availability of advice.

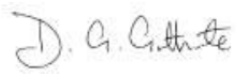
A key part of this follow-up evaluation will be feedback from farmers, both participants and non-participants on their experiences of and attitudes to the scheme. During 2011, we are looking at the first phase of ELS and OELS agreements, which started in 2005 and 2006, and resurveying farms with agreements from which we collected baseline information in the initial evaluation.

Our records show that we received a response from you to a postal questionnaire during the previous evaluation and we would be most grateful if you would be kind enough to provide an update by completing the enclosed follow-up questionnaire and returning it in the envelope provided as soon as is convenient. The questionnaire should take about 20 minutes to complete.

This survey is voluntary. The information you provide is covered by the 1998 Data Protection Act, and will not be used for any purpose other than the evaluation of the Entry Level schemes. All data will be treated in confidence and only amalgamated results will be reported.

May I thank you in advance for your help with this exercise.

Yours sincerely



David Garthwaite

01904 462694

Figure 2 Phase one non participants letter

FERA ENVIRONMENTAL STEWARDSHIP SURVEY ES - 1

Ref. ☐☐☐☐☐

I would be extremely grateful if you could provide the following background information on your farm:

1) ***CROPS (Hectares)***

ARABLE CROPS		VEGETABLES	
FODDER CROPS		TOP FRUIT	
GRASSLAND		SOFT FRUIT	
WOODLAND		OTHER (*Please specify*)	
UNCROPPED LAND			

2) ***LIVESTOCK (Numbers)***

CATTLE - DAIRY	
CATTLE - BEEF	
PIGS	
SHEEP & LAMBS	
POULTRY	
OTHER (*Please specify*)	

3) ***TOTAL HOLDING SIZE (Hectares)*** ☐

4) ***SEVERELY DISADVANTAGED AREA*** **What areas of land, if any, do you have in SDA*? (Hectares)*** ☐

5) ***LABOUR*** **Number of full- time workers** ☐ **Number of part-time workers** ☐

6) ***CONTRACTORS***

Have you used an agricultural contractor within the last twelve months? **Yes** ☐ **No** ☐

If the answer is yes please indicate below the range of operations carried out by contractors

Spray ☐ **Cultivations/drilling** ☐ **Harvesting** ☐ **Hedging/walling** ☐ **Other** ☐

7) ***FARM OWNERSHIP (please tick all that apply)***

Owner ☐ **Tenant** ☐ **FBT** ☐ **Length of remaining FBT** ☐ **Other** ☐

8) ***ENVIRONMENTAL ISSUES***

What, in your view, are the key environmental issues affecting agricultural land?

☐

9) ***CONSERVATION WORK ON THE FARM – including nature conservation and protection of the historic environment***

Do you carry out any conservation work, which is not covered by any existing agreements? **Yes** ☐ **No** ☐

If the answer is yes please specify habitats/features managed

☐

10) ***NATIONAL OBJECTIVES OF SCHEME***

What do you regard as the most important objectives of (O)ELS nationally?

	Importance		
	None	Some	Very
a) Improving water quality & reducing soil erosion	☐	☐	☐
b) Improving conditions for farmland wildlife	☐	☐	☐
c) Maintaining & enhancing landscape character	☐	☐	☐
d) Protecting the historic environment	☐	☐	☐
e) Mitigating climate change impacts	☐	☐	☐

Other ***(please state)*** ☐

FERA ENVIRONMENTAL STEWARDSHIP SURVEY ES - 2

11) ***SCHEME OBJECTIVES ON YOUR FARM***

What do you regard as the most important objectives of (O)ELS on your farm?

	Importance		
	None	Some	Very
a) Improving water quality & reducing soil erosion	☐	☐	☐
b) Improving conditions for farmland wildlife	☐	☐	☐
c) Maintaining & enhancing landscape character	☐	☐	☐
d) Protecting the historic environment	☐	☐	☐
e) Mitigating climate change impacts	☐	☐	☐

Other ***(please state)*** ☐

12) ***APPROACH TO (O)ELS***

a) In your opinion what are the most positive aspects of (O)ELS?

☐

b) In your opinion what are the most negative aspects of (O)ELS?

☐

c) Did you have any difficulties over the five year period of your original (O)ELS agreement arising from the scheme? **Yes** ☐ **No** ☐

If so, please give details

☐

13) ***IMPACT OF THE SCHEME ON INDIVIDUAL FARMS***

How effective do you think your (O)ELS agreement was for:?

	Not effective	Quite effective	Very effective
a) Improving water quality & reducing soil erosion	☐	☐	☐
b) Improving conditions for farmland wildlife	☐	☐	☐
c) Maintaining & enhancing landscape character	☐	☐	☐
d) Protecting the historic environment	☐	☐	☐
e) Mitigating climate change impacts	☐	☐	☐

Other ***(please state)*** ☐

14) ***USE OF THE HANDBOOK***

How often did you refer to the handbook during your original agreement? **Often** ☐ **Sometimes** ☐ **Never** ☐

FERA ENVIRONMENTAL STEWARDSHIP SURVEY ES - 3

15) ***ADVICE & SUPPORT***

a) ORIGINAL AGREEMENT - Did you receive one-to-one advice during your original (O)ELS agreement on:

(i) option choice; Yes ☐ No ☐

(ii) option management; Yes ☐ No ☐

Advisory organisation	Option choice			Option management		
	Not useful	Quite useful	Very useful	Not useful	Quite useful	Very useful
If yes, please indicate the source and how useful they were. e.g. Natural England (NE), Environment Agency, CSF Advisor, FWAG, Agronomist, Land Agent, Independent consultant, ADAS, GWCT, RSPB or other (*please state*)						

b) Did you get information from any other sources during your original agreement? If yes, please indicate source & how useful they were. If other sources of advice are not recorded it will be assumed they were not used.

	Option choice			Option management		
	Not useful	Quite useful	Very useful	Not useful	Quite useful	Very useful
i) Farmer meetings (Defra/NE)						
ii) Farmer meetings - Other (*please state*)						
iii) Farm walks						
iv) Defra/NE Website						
v) Telephone advice from Defra/NE staff						
vi) Other telephone advice (*please state*)						
vii) Written material (other than scheme handbooks)						
Other advice (*please state*)						

c) NEW AGREEMENT - Did you receive one-to-one advice on your new (O)ELS agreement on:

(i) option choice; Yes ☐ No ☐

(ii) option management; Yes ☐ No ☐

Advisory organisation	Option choice			Option management		
	Not useful	Quite useful	Very useful	Not useful	Quite useful	Very useful
If yes, please indicate the source and how useful they were. e.g. Natural England (NE), Environment Agency, CSF Advisor, FWAG, Agronomist, Land Agent, Independent consultant, ADAS, GWCT, RSPB or other (*please state*)						

d) Did you get information from any other sources during your new agreement? If yes, please indicate source & how useful they were. If other sources of advice are not recorded it will be assumed they were not used.

	Option choice			Option management		
	Not useful	Quite useful	Very useful	Not useful	Quite useful	Very useful
i) Farmer meetings (Defra/NE)						
ii) Farmer meetings - Other (*please state*)						
iii) Farm walks						
iv) Defra/NE Website						
v) Telephone advice from Defra/NE staff						
vi) Other telephone advice (*please state*)						
vii) Written material (other than scheme handbooks)						
Other advice (*please state*)						

FERA ENVIRONMENTAL STEWARDSHIP SURVEY ES - 4

16) *IMPACT ON FARMING SYSTEM*

What impact, if any, has joining the (O)ELS had on your farm system?

17) *PAYMENT RATES*

Do you think the cost of implementing your original (O)ELS agreement on your farm was covered by the payment rates? Yes ☐ No ☐

If no, what aspects were not covered?

18) *AGREEMENT RENEWAL*

Do you intend to, (or have already), renew(ed) your agreement? Yes ☐ No ☐

If you did not (or do not intend to) renew your agreement, please state why.

19) *POINTS ALLOCATIONS*

Are there any options, where you feel the points allocations are either generous or too low?

Option code	Generous	Too low	Option code	Generous	Too low

20) *ATTITUDE TO ENVIRONMENTAL SCHEMES*

How has membership of the scheme affected your attitude to environmental protection/conservation? Do you feel:

More positive ☐
Less positive ☐
About the same ☐

In order to fully evaluate the effects of environmental stewardship it would be of great help to both come and speak to you about your original choice of options and their management and also to repeat the field work conducted on your holding in 2005/2006.

If you would be willing for myself or one of my colleagues to visit you at a mutually convenient time I would be extremely grateful if you could record a contact name and the best telephone number to contact you on in the boxes below.

Contact Name

Landline Telephone Number

Mobile Telephone Number

David Garthwaite, Room 10FA04, Food & Environment Research Agency, Sand Hutton, York, YO41 1LZ
Tel: 01904 462 694 Email: dave.garthwaite@fera.gsi.gov.uk

Figure 3 Phase one postal survey form

10/02/2012

Dear Sir/Madam,

Evaluation of the impacts of Environmental Stewardship

The Food and Environment Research Agency (Fera) has been contracted by Natural England to carry out an evaluation of the Entry Level and the Organic Entry Level strands of the Environmental Stewardship scheme. This follows on from an earlier evaluation that we undertook in the first two years of the scheme, 2005-2006. The information from this earlier evaluation was very helpful in enabling Defra and NE to understand the views and concerns of participants, and was used in a review of the operation of the scheme which led to a number of improvements, including new options, improved guidance and greater availability of advice.

A key part of this current evaluation will be feedback from farmers, both participants and non-participants. During 2012, we are looking both at farms that are now on their second agreement and farms that are entering into their first agreement. We would be most grateful for your help with this follow-up work. A questionnaire is enclosed with this letter. I would be extremely grateful if you could complete and return this questionnaire by post (in the envelope provided) as soon as is convenient. It should take around 20 minutes to complete the questionnaire.

We would then like to interview some of those involved in O(ELS). If you are selected, one of the staff from the evaluation team will contact you in due course, by telephone, to arrange a mutually convenient time for a visit, if you are willing. The interview will help us to assess your experience of and attitudes to the scheme and obtain information on the management of options undertaken. The visit interview is expected to take no longer than one hour.

The interview will be followed up by an environmental field survey of options on the ground, subject to your permission. The field surveyors will contact you to arrange the visit, during which they will record information about the environmental features managed under ELS or OELS options on your agreement land.

This survey is voluntary. The information you provide is covered by the 1998 Data Protection Act, and will not be used for any purpose other than the evaluation of the Entry Level schemes. All data will be treated in confidence and only amalgamated results will be reported. I should emphasize that this is **not** an inspection, and no individual farm data will be passed to inspection agencies.

May I thank you in advance for your help with this exercise.

Yours sincerely

Ruth Laybourn

01904 462379

Figure 4 Phase two participant letter

FERA ENVIRONMENTAL STEWARDSHIP SURVEY ES - 1

Ref. «Fera_ref_No»

I would be extremely grateful if you could provide the following background information on your farm:

1) *CROPS (Hectares)*

ARABLE CROPS		VEGETABLES	
FODDER CROPS		TOP FRUIT	
GRASSLAND		SOFT FRUIT	
WOODLAND		OTHER (*Please specify*)	
UNCROPPED LAND			

2) *LIVESTOCK (Numbers)*

CATTLE - DAIRY	
CATTLE - BEEF	
PIGS	
SHEEP & LAMBS	
POULTRY	
OTHER (*Please specify*)	

3) *TOTAL HOLDING SIZE (Hectares)* ☐

4) *SEVERELY DISADVANTAGED AREA*

What areas of land, if any, do you have in SDA? *(Hectares)* ☐

What area of your SDA is in (O)ELS? *(Hectares)* ☐

5) *LABOUR* **Number of full- time workers** ☐ **Number of part-time workers** ☐

6) *CONTRACTORS*

Have you used an agricultural contractor within the last twelve months? **Yes** ☐ **No** ☐

If the answer is yes please indicate below the range of operations carried out by contractors

Spray ☐ **Cultivations/drilling** ☐ **Harvesting** ☐ **Hedging/walling** ☐ **Other** ☐

7) *FARM OWNERSHIP (please tick all that apply)*

Owner ☐ **Tenant** ☐ **FBT** ☐ **Length of remaining FBT** ☐ **Other** ☐

8) *ENVIRONMENTAL ISSUES*

What, in your view, are the key environmental issues affecting agricultural land?

☐

9) *CONSERVATION WORK ON THE FARM – including nature conservation and protection of the historic environment*

Do you carry out any conservation work, which is not covered by any existing agreements? **Yes** ☐ **No** ☐

If the answer is yes please specify habitats/features managed

☐

10) *NATIONAL OBJECTIVES OF SCHEME*

What do you regard as the most important objectives of (O)ELS nationally?

	Importance		
	None	Some	Very
a) Improving water quality & reducing soil erosion	☐	☐	☐
b) Improving conditions for farmland wildlife	☐	☐	☐
c) Maintaining & enhancing landscape character	☐	☐	☐
d) Protecting the historic environment	☐	☐	☐
e) Mitigating climate change impacts	☐	☐	☐

Other *(please state)* ☐

FERA ENVIRONMENTAL STEWARDSHIP SURVEY ES - 2

11) ***SCHEME OBJECTIVES ON YOUR FARM***

What do you regard as the most important objectives of (O)ELS on your farm?

	Importance		
	None	Some	Very
a) Improving water quality & reducing soil erosion	☐	☐	☐
b) Improving conditions for farmland wildlife	☐	☐	☐
c) Maintaining & enhancing landscape character	☐	☐	☐
d) Protecting the historic environment	☐	☐	☐
e) Mitigating climate change impacts	☐	☐	☐

Other ***(please state)*** _____

12) ***APPROACH TO (O)ELS***

a) In your opinion what are the most positive aspects of (O)ELS?

_____

b) In your opinion what are the most negative aspects of (O)ELS?

_____

12.1a) Did you have an agri-environment agreement before your current (O)ELS? **Yes** ☐ **No** ☐

If yes please specify type below

12.1b) ELS ☐ **OELS** ☐ **HLS** ☐ **CSS** ☐ **ESA** ☐ **Other (specify)** _____

12.1c) When did this previous agreement expire? (MM/YYYY) ☐☐☐☐☐☐

If you had an (O)ELS agreement prior to your current agreement please answer all parts of this questionnaire. If your current agreement is your first under (O)ELS, please continue from question 15c – NEW AGREEMENTS.

c) Did you have any difficulties over the five year period of your original (O)ELS agreement arising from the scheme? **Yes** ☐ **No** ☐

If so, please give details

_____

13) ***IMPACT OF THE SCHEME ON INDIVIDUAL FARMS***

How effective do you think your previous (O)ELS agreement was for:?	Not effective	Quite effective	Very effective
a) Improving water quality & reducing soil erosion	☐	☐	☐
b) Improving conditions for farmland wildlife	☐	☐	☐
c) Maintaining & enhancing landscape character	☐	☐	☐
d) Protecting the historic environment	☐	☐	☐
e) Mitigating climate change impacts	☐	☐	☐

Other ***(please state)*** _____

FERA ENVIRONMENTAL STEWARDSHIP SURVEY ES - 3

15) ***ADVICE & SUPPORT***

a) ORIGINAL AGREEMENT - Did you receive one-to-one advice during your original (O)ELS agreement on:

(i) option choice; Yes ☐ No ☐

(ii) option management; Yes ☐ No ☐

If yes, please indicate the source and how useful they were. e.g. Natural England (NE), Environment Agency, CSF Advisor, FWAG, Agronomist, Land Agent, Independent consultant, ADAS, GWCT, RSPB or other (*please state*)

Advisory organisation	Option choice: Not useful	Option choice: Quite useful	Option choice: Very useful	Option management: Not useful	Option management: Quite useful	Option management: Very useful
	☐	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐	☐

b) Did you get information from any other sources during your original agreement? If yes, please indicate source & how useful they were. If other sources of advice are not recorded it will be assumed they were not used.

	Option choice: Not useful	Option choice: Quite useful	Option choice: Very useful	Option management: Not useful	Option management: Quite useful	Option management: Very useful
i) Farmer meetings (Defra/NE)	☐	☐	☐	☐	☐	☐
ii) Farmer meetings - Other (*please state*)	☐	☐	☐	☐	☐	☐
iii) Farm walks	☐	☐	☐	☐	☐	☐
iv) Defra/NE Website	☐	☐	☐	☐	☐	☐
v) Telephone advice from Defra/NE staff	☐	☐	☐	☐	☐	☐
vi) Other telephone advice (*please state*)	☐	☐	☐	☐	☐	☐
vii) Written material (other than scheme handbooks)	☐	☐	☐	☐	☐	☐
Other advice (*please state*)	☐	☐	☐	☐	☐	☐

c) NEW AGREEMENT - Did you receive one-to-one advice on your new (O)ELS agreement on:

(i) option choice; Yes ☐ No ☐

(ii) option management; Yes ☐ No ☐

If yes, please indicate the source and how useful they were. e.g. Natural England (NE), Environment Agency, CSF Advisor, FWAG, Agronomist, Land Agent, Independent consultant, ADAS, GWCT, RSPB or other (*please state*)

Advisory organisation	Option choice: Not useful	Option choice: Quite useful	Option choice: Very useful	Option management: Not useful	Option management: Quite useful	Option management: Very useful
	☐	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐	☐

d) Did you get information from any other sources during your new agreement? If yes, please indicate source & how useful they were. If other sources of advice are not recorded it will be assumed they were not used.

	Option choice: Not useful	Option choice: Quite useful	Option choice: Very useful	Option management: Not useful	Option management: Quite useful	Option management: Very useful
i) Farmer meetings (Defra/NE)	☐	☐	☐	☐	☐	☐
ii) Farmer meetings - Other (*please state*)	☐	☐	☐	☐	☐	☐
iii) Farm walks	☐	☐	☐	☐	☐	☐
iv) Defra/NE Website	☐	☐	☐	☐	☐	☐
v) Telephone advice from Defra/NE staff	☐	☐	☐	☐	☐	☐
vi) Other telephone advice (*please state*)	☐	☐	☐	☐	☐	☐
vii) Written material (other than scheme handbooks)	☐	☐	☐	☐	☐	☐
Other advice (*please state*)	☐	☐	☐	☐	☐	☐

FERA ENVIRONMENTAL STEWARDSHIP SURVEY ES - 4

16) *IMPACT ON FARMING SYSTEM*

What impact, if any, has joining the (O)ELS had on your farm system?

17) *PAYMENT RATES*

Do you think the cost of implementing your original (O)ELS agreement on your farm was covered by the payment rates? **Yes** ☐ **No** ☐

If no, what aspects were not covered?

19) *POINTS ALLOCATIONS*

Are there any options, where you feel the points allocations are either generous or too low?

Option code	Generous	Too low	Option code	Generous	Too low
	☐	☐		☐	☐

20) *ATTITUDE TO ENVIRONMENTAL SCHEMES*

How has membership of the scheme affected your attitude to environmental protection/conservation? Do you feel:

More positive ☐
Less positive ☐
About the same ☐

In order to fully evaluate the effects of environmental stewardship it would be of great help to both come and speak to you about your choice of options and their management and also to conduct field work on your holding.

If you would be willing for myself or one of my colleagues to visit you at a mutually convenient time I would be extremely grateful if you could record a contact name and the best telephone number to contact you on in the boxes below.

Contact Name

Landline Telephone Number

Mobile Telephone Number

Ruth Laybourn, Room 10FA03, Food & Environment Research Agency, Sand Hutton, York, YO41 1LZ
Tel: 01904 462 379 Email: ruth.laybourn@fera.gsi.gov.uk

Figure 5 Phase two participant postal questionnaire

12/04/2012

Dear Sir/Madam,

Evaluation of the impacts of Environmental Stewardship

The Food and Environment Research Agency (Fera) has been contracted by Natural England to carry out an evaluation of the Entry Level (ELS) and the Organic Entry Level (OELS) strands of the Environmental Stewardship scheme. This follows on from an earlier evaluation that we undertook in the first two years of the scheme, 2005-2006. The information from this earlier evaluation was very helpful in enabling Defra and NE to understand the views and concerns of participants and non-participants in the schemes, and was used in a review of the operation of the scheme which led to a number of improvements, including new options, improved guidance and greater availability of advice.

A key part of this current evaluation will be feedback from farmers, both participants and non-participants. During 2012, we are looking at farms that do not have an ELS or OELS agreement. We would be most grateful for your help with this follow-up work. A questionnaire is enclosed with this letter. I would be extremely grateful if you could complete the questionnaire in relation to the land that is registered under the CPH number specified in the top right corner of the survey form. Please return this questionnaire by post (in the envelope provided) as soon as is convenient. It should take around 10 minutes to complete the questionnaire.

We would then like to undertake an environmental survey of a selection of features on the ground, subject to your permission. If you are selected, one of the staff from the evaluation team will contact you in due course, by telephone, to arrange a mutually convenient time for a visit, if you are willing.

This survey is voluntary. The information you provide is covered by the 1998 Data Protection Act, and will not be used for any purpose other than the evaluation of the Entry Level schemes. All data will be treated in confidence and only amalgamated results will be reported. I should emphasize that this is **not** an inspection, and no individual farm data will be passed to inspection agencies.

May I thank you in advance for your help with this exercise.

Yours sincerely

Ruth Laybourn

01904 462379

Figure 6 Phase two non participant letter

FERA ENVIRONMENTAL STEWARDSHIP SURVEY NP

1) CURRENT AGRI-ENVIRONMENT AGREEMENTS

Do you have a current agri-environment agreement covered by this CPH number (top right)? Yes ☐ No ☐

If yes, please specify. * Countryside Stewardship Scheme ** Environmentally Sensitive Areas

ELS ☐ OELS ☐ HLS ☐ CSS* ☐ ESA** ☐ Other (specify) ☐

If you currently have an ELS/OELS/HLS agreement on land with this CPH, please do not complete the rest of the form, but return it in the envelope provided.

If you do not currently have an ELS/OELS/HLS agreement on land with this CPH, please complete the rest of the form.

2) AWARENESS OF DEFRA ENVIRONMENT STEWARDSHIP SCHEMES

Are you aware of Environmental Stewardship (ELS) Yes ☐ No ☐

Are you aware of Organic Environmental Stewardship (OELS) Yes ☐ No ☐

Are you aware of Higher Level Stewardship (HLS) Yes ☐ No ☐

Where have you obtained information about Environmental Stewardship? Please tick all relevant boxes.

Local press ☐ Farming press ☐ Radio ☐ Natural England website ☐ No information ☐ Scheme handbooks ☐

Natural England leaflets ☐ Other organisations' information - please specify ☐

Natural England meetings/workshops ☐ Other farmer meetings/workshops - please specify ☐

Natural England adviser ☐ Other adviser/consultant - please specify ☐

3) PREVIOUS AGRI-ENVIRONMENT AGREEMENTS

Have you had an agri-environment agreement in the past on land with this CPH? Yes ☐ No ☐

If yes, please specify. * Countryside Stewardship Scheme ** Environmentally Sensitive Areas

ELS ☐ OELS ☐ HLS ☐ CSS* ☐ ESA** ☐ Other (specify) ☐

Please give expiry date (month and year) M M Y Y Y Y

Did experience with a previous agreement affect your decision not to apply for a current agreement? Yes ☐ No ☐

If yes, please specify how this affected your decision.

☐

Please provide the following background information on your farm:

4) CROPS (Hectares)

ARABLE CROPS	☐	VEGETABLES	☐
FODDER CROPS	☐	TOP FRUIT	☐
GRASSLAND	☐	SOFT FRUIT	☐
WOODLAND	☐	OTHER	☐
UNCROPPED LAND	☐		

5) LIVESTOCK (Numbers)

CATTLE - DAIRY	☐
CATTLE - BEEF	☐
PIGS	☐
SHEEP & LAMBS	☐
POULTRY	☐
OTHER (Please specify)	☐

6) TOTAL HOLDING SIZE (Hectares) ☐

7) SEVERELY DISADVANTAGED AREA

What area of land, if any, do you have in SDA? (Hectares) ☐

8) LABOUR

Number of full-time workers ☐ Number of part-time workers ☐

9) FARM OWNERSHIP (Please tick all that apply)

Owner ☐ Tenant ☐ FBT ☐ Length of remaining FBT ☐ Other ☐

10) ENVIRONMENTAL ISSUES

What, in your view, are the key environmental issues affecting agricultural land?

11) CONSERVATION WORK ON THE FARM. Including nature conservation and protection of the historic environment.

Do you carry out any conservation work which is not covered by any existing agreement? Yes ☐ No ☐

If yes, please specify:

Is it carried out as part of the Campaign for the Farmed Environment (CFE) voluntary measures? Yes ☐ No ☐

12) SUPPORT FOR ENVIRONMENTAL STEWARDSHIP SCHEMES

Are you in favour of Defra funding Environmental Stewardship schemes? Yes ☐ No ☐

Why is this?

13) REASONS FOR NOT CURRENTLY PARTICIPATING IN ENVIRONMENTAL STEWARDSHIP

I was not interested ☐ The scheme was too complicated ☐ The forms were too complicated ☐

I didn't want to be tied into a scheme for 5 years ☐

My tenancy is for less than 5 years and my landlord was not prepared to countersign the application form. ☐

It would not fit in with my current farming system (if this is the case please record why this is in the box below)

The payment rate for ELS is too low ☐ The payment rate for OELS is too low ☐

If the payment rate per hectare was an issue, what rate would have persuaded you to participate?

I am already in another scheme and didn't want/can't apply for two schemes on the farm ☐

I thought it would be difficult to reach my points target ☐

If reaching your points target was a problem - why was this?

There was not enough guidance from advisers ☐

Other (please state)

14) FUTURE APPLICATIONS

Would you consider applying for the scheme in the future? Yes ☐ No ☐

If the answer is no, please explain why this is

If the anwer is yes, please indicate below any reasons you may have had for not applying already

Thank you for taking the time to complete this questionnaire. In order to fully evaluate the effects of Environmental Stewardship it would be of great help for us to undertake an environmental assessment of features on your holding.

If you would be willing for myself or one of my colleagues to visit you, please record a contact name and the best telephone number to contact you on in the boxes below.

Contact name

Landline Telephone Number

Mobile Telephone Number

Ruth Laybourn, Room 10FA03, Food & Environment Research Agency, Sand Hutton, York, YO41 1LZ
Tel: 01904 462 379 Email: ruth.laybourn@fera.gsi.gov.uk

Figure 7 Phase one and two non participant survey

DATE:

ELS - 2011 Phase 1 agreement

For those interviewed about their baseline agreements

GENERIC Questionnaire

Ref: | **Option code**

1 Did you undertake this management before your original agreement? (Y/N)

a. If yes, did you change the management as a result of entering the scheme? (Y/N)

b. If yes, how did it change?

2 If you had not chosen this option, would you still have carried out this management? (Y/N)

3 Did you have similar features (hedges, ditches etc.) that were not managed under (O)ELS? (Y/N)

4 If yes: (i) Roughly what percentage were in (O)ELS? %

(ii) Were the features not in (O)ELS managed differently? (Y/N)

(iii) If yes, how did the management differ?

(iv) Were they under management control? (Y/N)

5 For your past agreement, what impact do you think this option had for each of the following?

a. Plants

b. Birds

c. Other wildlife (including insects)

d. Resource protection (water quality/soil erosion)

e. Historic environment

f. Helping to limit the effects of climate change?

NE = negative
NO = none
SB = some benefits
LB = lots of benefits

6 What effects do you think this option had on your business? (negative, positive, none - NE/PO/NO)

Comments

7 a. Was the management prescription for this option easy to follow? (Y/N)

b. If no, please indicate why not:

8 a. Did you have any problems in the management of this option? (Y/N)

b. If yes, what problems did you have, when did they occur, how were they overcome and how long did this take?

Continued:

9 a. Was any advice sought regarding this option? (Y/N)

b. If yes, specify: (i) Source

(ii) Accessibility (not accessible, quite accessible, very accessible - NA/QA/VA)

(iii) Quality (not useful, quite useful, very useful - NU/QU/ VU)

(iv) Please specify what aspect the advice concerned:

10 a. Did you request any derogations? (Y/N)

b. If yes please give details.

11 a. Did you use a contractor to conduct any of the work required for this option? (Y/N)

b. If yes (i) Please specify work done by contractor:

(ii) Why was a contractor used? (lack of equipment, expertise, time, labour, cost etc.)

12 Do you think the points for this option were 'about right', 'too high' or 'too low'? (AR/TH/TL)

13 (Where appropriate) How did you decide where to place this option? (or, for management of existing features, how did you decide which hedges, ditches, walls etc. to put into this option?)

14 a. Do you think this option has worked well? (Y/N)

b. If yes, why was that?

c. If not, what changes could be made to improve the results?

15 what in your view has this option achieved? (more than one outcome can be included)

16 a Have there been any negative outcomes from this option? (Y/N)

b. If yes, please describe:

Figure 8 Phase one 2011 generic questions

Date:

ELS - 2011 Phase 1

Option specific
Questionnaire

Ref: | | | | | | **Option code** |

Options for boundary features, trees and woodland
EB1, EB2, EB3, EB4, EB5, EB6, EB7, EB8, EB9, EB10, EB11; EC1, EC2, EC4

1 EB1, EB2, EB3, EB8, EB10 Hedgerows

a. How often did you cut your hedges? Every ____ years

b. At what time of year did you cut your hedges? (E/L) ____

c. What method was used? (flail, rotary head, cutter bar, circular saw, other - FL/RH/CB/CS/OT) ____

d. Did you cut your hedges rotationally? (Y/N) ____

e. If yes, how? (split farm, alternate sides, alternate years - SF/AS/AY) ____

f. Did you normally replant gaps in your hedges? (Y/N) ____

g. To what height were your hedges maintained (m)? ____

2 EB4, EB5 Stone-faced hedgebanks

Did you normally repair gaps or damage to stone-faced hedgebanks? (Y/N) ____

3 EB11 Stone walls

Did you normally repair gaps or damage to your stone walls? (Y/N) ____

4 EB6, EB7, EB8, EB9, EB10 Ditches

a. How often did you cut your ditch banks? Every ____ year(s) **or** Not done (ND) ____

b. At what time of year did you cut your ditch banks? (E/L) ____

c How often did you cut the vegetation in the bottom of the ditch?

(i) Every ____ years or (ii) N/A (always full)

d. At what time of year did you cut the vegetation in the bottom of the ditch? (E/L) ____

e. How often did you clean out your ditches? Every ____ year(s) **or** Not done (ND) ____

f. At what time of year did you clean out your ditches? (E/L) ____

5 EC1, EC2 Protection of In-field trees on arable land & Grassland

What was done with fallen wood beneath in-field trees?
(left, put against tree, field edge, removed - LE/AT/FE/RE) ____

6 EC4 Management of woodland edges

a. Do you cut the option area? (Y/N) ____

b. If yes: (i) How often? ____ per year, every ____ year(s) (ii) What time of year? (E/L) ____

(iii) Do you cut all or only part of the area at each time? (all, part - AL/PA) ____

(iv) If part, please give details

____

(v) Do you remove the cuttings? (Y/N) ____

c. Do you apply any herbicides to the option? (Y/N) ____

d. If yes: (i) What type of herbicide do you use? ____

(ii) What type of applicator do you use?
(Ground sprayer, knapsack, weed wiper, lance, other - GS/KN/WW/LA/OT) ____

(iii) What is the target? ____

Date:

ELS - 2011 Phase 1

Option specific Questionnaire

Ref: | | | | | | **Option code** |

Options for buffer strips, field margins and to protect soil & water

EE1, EE2, EE3, EE8

6 EE1, EE2, EE3 Buffer strips on cultivated land

a Were your buffer strips already in place before you entered ELS? (Y/N)

b. If yes, has the management changed? (Y/N)

c. If yes, how?

d. Did you establish your buffer strips by natural regeneration or sowing? (NR/SO)

e. If by sowing, did you include wild flowers in the seed mixture? (Y/N)

f. Did you cut the option area? (Y/N)

g. If yes: (i) How often? ____ per year, every ____ year(s) (ii) What time of year? (E/L)

7 EE1, EE2, EE3, EE8

a. Were any herbicides applied to the option? (Y/N)

b. If yes: (i) what type of applicator did you use?
(Ground sprayer, knapsack, weed wiper, lance, other - GS/KN/WW/OT)

(ii) what was the target?

c. (i) Were these options in places where they will have reduced soil erosion? (Y/N)

(ii) If yes, please give details:

Ref: | | | | | | **Option code** |

6 EE1, EE2, EE3 Buffer strips on cultivated land

a Were your buffer strips already in place before you entered ELS? (Y/N)

b. If yes, has the management changed? (Y/N)

c. If yes, how?

d. Did you establish your buffer strips by natural regeneration or sowing? (NR/SO)

e. If by sowing, did you include wild flowers in the seed mixture? (Y/N)

f. Did you cut the option area? (Y/N)

g. If yes: (i) How often? ____ per year, every ____ year(s) (ii) What time of year? (E/L)

7 EE1, EE2, EE3, EE8

a. Were any herbicides applied to the option? (Y/N)

b. If yes: (i) what type of applicator did you use?
(Ground sprayer, knapsack, weed wiper, lance, other - GS/KN/WW/OT)

(ii) what was the target?

c. (i) Were these options in places where they will have reduce soil erosion? (Y/N)

(ii) If yes, please give details:

Date:

ELS - 2011 Phase 1

Option specific Questionnaire

Ref: | | | | | | **Option code** |

Options to encourage a range of crops
EF1, EF2, EF4; EG2, EG3, EG4

8 EF1 Management of field corners

a. Did you establish your field corners by natural regeneration or sowing? (NR/SO)

b. If by sowing, did you include wild flowers in the seed mixture? (Y/N)

9 EF1, EF4; EG3

a. Did you cut the option area? (Y/N)

b If yes: (i) How often? ____ times per year, every ____ year(s) (ii) what time of year? (E/L)

10 EF1, EF2, EF4; EG3

a. Were any herbicides applied to the option? (Y/N)

b. If yes: (i) what type of applicator did you use?
(Ground sprayer, knapsack, weed wiper, lance, other - GS/KN/WW/OT)

(ii) What was the target?

11 EF2, EG2 Wild bird seed mixtures

a. Was the seed treated for seedling pests and diseases? (Y/N)

b. Did you apply any fertiliser or manure? (Y/N)

c. If yes, what type of manure did you apply?
(cattle manure, pig manure, dairy slurry, beef slurry, pig slurry - CM/PM/DS/BS/PS)

d. What rate of manure did you normally apply per year (t/ha)?

12 EF2, EF4; EG2, EG3

a. What crops did you include in your mixtures?

b. How often did you re-sow the mixtures?

c. Did you rotate the mixtures when re-establishing or keep in the same place? (RO/SP)

13 EF4 Pollen & Nectar mixtures

a. If cut, were the cuttings removed? (yes, no, not cut - Y/N/NC)

b. Was the option area grazed? (Y/N)

c. If yes, at what time of year? (E/L)

14 EG4 Whole crop silage

a. Did you apply herbicides to this option? (Y/N)

b. If yes: (i) What herbicides were applied?

(ii) When were herbicides applied?

(iii) Were they applied to all, or only some? (A/S)

c. Did you use a pre-harvest dessiccant? (Y/N)

Date:

ELS - 2011 Phase 1

Option specific
Questionnaire

Ref: | | | | | | **Option code** |

Options for arable land

EF6, EF7, EF8, EF9, EF10, EF11

15 EF6 Overwintered stubble

a. How did you deal with the straw after harvest? (Removed, chopped and spread, left - RE/CS/LE)

b. Did you carry out any cultivations of the stubble after harvest? (Y/N)

c. If yes: (i) What proportion of the stubble?

(ii) How where they cultivated?

(iii) When would this have been done?

d. Did you generally subsoil tramlines to remove compaction? (Y/N)

e. Did you apply pre-harvest desiccants or post harvest herbicides? (NO/PR/PO/BO)

16 EF7 Beetle banks

a. What grass species did you sow?

b. Did you include any wild flowers in the mixture? (Y/N)

c. If so, which ones?

d. Did you cut the option area? (Y/N)

e. If yes: (i) How often? ____ times per year, every ____ year(s)

(ii) What time of year for each cut? (E/L) (E/L) (E/L)

f. (i) Were these options in places where they will have reduced soil erosion? (Y/N)

(ii) If yes, please give details:

17 EF7, EF11 Beetle banks, uncropped cultivated margins for rare plants

a. Were any herbicides applied to the option? (Y/N)

b. If yes: (i) What type of applicator did you use?

(ii) What was the target?

18 EF8 Skylark plots

a. How did you establish the plots?: (lifted drill, sprayed them out - LD/SO)

b. If sprayed, when was this done? (E/L)

19 EF9, EF10 Conservation headlands

a. Did you apply herbicides to your headlands? (Y/N)

b. If yes: (i) What herbicides were applied?

(ii) When were herbicides applied?

(iii) Were they applied to all, or only some? (all, some - A/S)

c. Did you use a pre-harvest desiccant? (Y/N)

d. Did you rotate the conservation headland each year? (Y/N)

20 EF11 Uncropped cultivated margins on arable land

Did you cultivate the margins in spring, autumn or a combination? (S/A/C)

Date:

ELS - 2011 Phase 1

Option specific Questionnaire

Ref: | | | | | | **Option code** |

Options for Grassland

EE4, EE5, EE6, EE7; ED2, ED5; EK1, EK2, EK3, EK4, EK5; EL1, EL2, EL3, EL4, EL5, EL6

21 EE4, EE5, EE6, EE7; EK1; EL1 Buffer Strips on grassland, field corners

How did the management of the buffer strips/ field corners differ from the rest of the field?

22 EE4, EE5, EE6, EE7 Buffer strips on grassland

a. Were the buffer strips grazed? (Y/N) b. If yes, what time of year? (E/L)

23 EK1, EL1 Field corners out of management

Were these options in places where they will have reduced soil erosion? (Y/N)

24 ED5, EK1, EK2, EK3, EK4; EL1, EL2, EL3, EL4, EL5, EL6

a. Were any herbicides applied to the option? (Y/N)

b. If yes: (i) What type of applicator did you use? (ground sprayer, knapsack, weed wiper, lance, other - GS/KN/WW/OT)

(ii) What herbicide(s) was/were used?

(iii) What was the target?

25 ED5, EK2, EK3, EK4; EL2, EL3, EL4, EL5, EL6

a. Did you make spot or overall herbicide applications? (Y/N)

Range (if applicable)

b. What rate of nitrogen fertiliser did you apply per year (kg/ha of N)? to

c. What rate of organic manure did you normally apply per year (t/ha)? to

d. What type of manure did you apply? (cattle manure, pig manure, dairy slurry, beef slurry, pig slurry - CM/PM/DS/BS/PS)

e. Did you apply any other: (ii) Fertiliser? (Y/N) (i) Lime? (Y/N)

(iii) If yes, give details:

f. (i) Did you cut this field for hay/silage? (Y/N)

(ii) If yes, how often? times per year, every year(s)

g. Did you normally roll/harrow this/these fields? (None, Roll, Harrow, Both - NO/RO/HA/BO)

h. If yes, when did you do this? (i) Roll (E/L) (ii) Harrow (E/L)

i. (i) How often did you top the field(s)? times per year, every year(s)

(ii) Why did you top your fields(S)?

j. (i) Were the fields grazed? (Y/N)

If yes: (ii) What time of year? (E/L) (iii) **Complete question 26.**

26 EK5 Mixed stocking (Qu. 25 continued)

What types of live-stock were grazed and how many?

	Average Number		Average number
Dairy cow		Hill ewe	
Beef cow		Ram and teg over 6 months	
Cattle over 2 years		Ewe follower and/or store lamb	
Cattle 6 months to 2 years		Horse	
Lowland ewe and lamb		Pony	

27 EK5 Mixed stocking

Over what period of the year were animals grazed?

28 ED2, ED5; EK2, EK3, EK4; EL2, EL3, EL4, EL5, EL6

Have you used supplementary feeders or plastic wrapped forage on this area? (Y/N)

Figure 9 Phase one option specific survey forms

DATE:

ELS 2011 - Phase 2 agreements

For those not interviewed about their baseline agreements

Generi questionnair

REF:

(a) Options present in original agreement but not renewed

1 Did you have a previous agreement before the current one? (Y/N)

2 If yes, what options from your original agreement, if any, have you dropped or replaced?

Please list:

a. Option code Description

(i) Has the management of the feature in question changed? (Y/N)

(ii) If yes, please describe how:

b. Option code Description

(i) Has the management of the feature in question changed? (Y/N)

(ii) If yes, please describe how:

c. Option code Description

(i) Has the management of the feature in question changed? (Y/N)

(ii) If yes, please describe how:

d. Option code Description

(i) Has the management of the feature in question changed? (Y/N)

(ii) If yes, please describe how:

Figure 10 Phase two generic options not renewed

DATE:

ELS - 2011 Phase 2 agreement

For those not interviewed about their baseline agreements

Generic Questionnaire

Ref: | Option code

(b) Options for new agreement

1 If you had a previous (O)ELS agreement, was this option included? (Y/N)

a. If no, go to 1 b., if yes:

(i) have you changed the way it is managed for the new agreement? (Y/N)

(ii) if yes, what changes have been made? (**continue to question 2**)

b. Did you undertake this management before entering (O)ELS? (Y/N)

If yes: (i) did you change the management as a result of entering the scheme? (Y/N)

(ii) If yes, how did it change?

2 If you had not chosen this option, would you still have carried out this management? (Y/N)

3 Do you have similar features (hedges, ditches etc.) that are not managed under (O)ELS? (Y/N)

4 If yes: (i) Roughly what percentage are in (O)ELS? %

(ii) Are the features not in (O)ELS managed differently? (Y/N)

(iii) If yes, how does the management differ?

(iv) Are they under management control? (Y/N)

4 What benefits do you think this option achieved for each of the following?

a. Plants

b. Birds

c. Other wildlife (including insects)

d. Resource protection (water quality/soil erosion)

e. Historic environment

f. Helping to limit the effects of climate change?

NE = negative
NO = none
SB = some benefits
LB = lots of benefits

5 What effects do you think this option will have on your business? (neg., positive, none - NE/PO/NO)

Comments

6 a. Was the management prescription for this option easy to follow? (Y/N)

b. If no, please indicate why not:

7 a. Do you anticipate any problems in the management of this option? (Y/N)

b. If yes, please give details

8 a. Was any advice sought regarding this option for your new agreement? (Y/N)

b. If yes, specify: (i) Source

(ii) Accessibilty (not accessible, quite accessible, very accessible - NA/QA/VA)

(iii) Quality (not useful, quite useful, very useful - NU/QU/ VU)

(iv) What aspect did the advice concern?

9 a. Do you think you will need further advice to manage this option? (Y/N)

b. If yes please give details.

10 (where appropriate) How did you decide where to place this option? (or, for management of existing features, 'how did you decide which hedges, ditches, walls etc. to put into this option?')

11 Do you think the points for this option are about right, too high or too low? (AR/TH/TL)

Notes:

Figure 11 Phase two options for new agreement

DATE:

ELS - Phase 2 agreement

For those not interviewed about their baseline agreements

Generic

Questionnaire

Ref

(c) ETIP advice for new agreement

		Yes/No
1 a	Did you have an agri-environment agreement before your current one?	

b If yes, please specify: ELS ☐ (O)ELS ☐ CSS ☐ ESA ☐ Other ☐

If other, please specify:

		Yes/No
2 a	Did you receive one-to-one advice on your new (O) ELS agreement on:	
	i) Option choice?	
	ii) Option management?	

b if yes, please indicate source

3 a	Did you get any other information from any other sources during your new agreement?	Yes/No	

b If yes, please indicate what source:	Yes/No	Detail
i) Farmer meetings Defra/NE		
ii) Farmer meetings (other)		
iii) Farm walks		
iv) Defra Website		
v) Defra/NE staff telephone advice		
vi) Other telephone advice		
vii) Written material		
viii) Other advice		

Notes

Figure 12 Phase two ETIP advice

Ref: | | | | | | Option code | |

Options for boundary features, trees and woodland

EB1, EB2, EB3, EB4, EB5, EB6, EB7, EB8, EB9, EB10, EB11, EB12, EB13; EC1, EC2, EC4, EC23, EC24, EC25

1 EB1, EB2, EB3, EB8, EB9, EB10 Hedgerows

a. How often do you cut your hedges? Every [ ] years

b. At what time of year do you cut your hedges? (E/L) [ ]

c. What method was used? (flail, rotary head, cutter bar, circular saw, other - FL/RH/CB/CS/OT) [ ]

d. Do you cut your hedges rotationally? (Y/N) [ ]

e. If yes, how? (split farm, alternate sides, alternate years - SF/AS/AY) [ ]

f. Do you normally replant gaps in your hedges? (Y/N) [ ]

g. To what height are your hedges maintained (m)? [ ]

h. Do you intend to lay or coppice any of your hedgerows? (Y/N) [ ]

2 EC23 Establishment of young trees by tagging

Do you generally tag young trees in hedgerows? (Y/N) [ ]

3 EB4, EB5 Stone-faced hedge banks

Do you normally repair gaps or damage to stone-faced hedge banks? (Y/N) [ ]

4 EB11 Stone walls

Do you normally repair gaps or damage to your stone walls? (Y/N) [ ]

5 EB6, EB7, EB8, EB9, EB10 Ditches

a. How often do you cut your ditch banks? Every [ ] year(s) **or** Not done (ND) [ ]

b. At what time of year do you cut your ditch banks? (E/L) [ ]

c. How often do you cut the vegetation in the bottom of the ditch?

(i) Every [ ] years or (ii) [N/A] (always full)

d. At what time of year do you cut the vegetation in the bottom of the ditch? (E/L) [ ]

e. How often do you clean out your ditches? Every [ ] year(s) **or** Not done (ND) [ ]

f. At what time of year do you clean out your ditches? (E/L) [ ]

g. Where do you put the spoil from ditch clearing?
(ditch bank, field edge, field centre, elsewhere - DB/FE/FC/EW) [ ]

6 EC1, EC2, EC24, EC25 In-field trees & Hedgerow tree buffer strips on cultivated land

What is done with fallen wood beneath in-field trees?
(left, put against tree, field edge, removed - LE/AT/FE/RE) [ ]

7 EC24 Hedgerow tree buffer strips on cultivated land

a. Were your buffer strips already in place before you entered ELS? (Y/N) ☐

b. If yes, has the management changed? (Y/N) ☐

c. If yes, how?

d. (i) Have you established your buffer strips by natural regeneration or sowing? (NR/S) ☐

(ii) If established by sowing, did you:

1) Include wild flowers in the seed mixture? (Y/N) ☐

2) take measures to remove compaction before preparing the seedbed ?

(for buffer strips established for new ELS agreements only) (Y/N) ☐

8 EC4 Management of woodland edges

a. Do you cut the option area? (Y/N) ☐

b. If yes: (i) How often? ☐ per year, every ☐ year(s)

(ii) What time of year? (E/L) ☐

(iii) Do you cut all or only part of the area at each time? (all, part - AL/PA) ☐

(iv) If part, please give details

(v) Do you remove the cuttings? (Y/N) ☐

c. Do you apply any herbicides to the option? (Y/N) ☐

d. If yes: (i) What type of herbicide do you use?

(ii) What type of applicator do you use?
(Ground sprayer, knapsack, weed wiper, lance, other - GS/KN/WW/LA/OT) ☐

(iii) What is the target?

9 EB12, EB13 Earth bank management

a. Do you normally repair gaps or damage to earth banks? (Y/N) ☐

b. What steps, if any do you take to prevent such damage?

Notes:

Ref: Option code

Options for buffer strips, field margins and to protect soil & water
EE1, EE2, EE3, EE8, EE9; EJ2, EJ5, EJ9, EJ10, EJ13

10 EE3 6m buffer strips on cultivated land

Do any of the buffer strips under this option run alongside a watercourse?

11 EE1, EE2, EE3, EE9, EJ9 Buffer strips on cultivated land

a. Were your buffer strips already in place before you entered ELS? (Y/N)

b. If yes, has the management changed? (Y/N)

c. If yes, how?

12 EE1, EE2, EE3, EE8, EE9, EJ9 Buffer strips on cultivated land

a. Have you established your buffer strips by natural regeneration or sowing? (NR/SO)

b. If established by sowing, did you:

(i) Include wild flowers in the seed mixture? (do not ask for **EJ9**) (Y/N)

(ii) take measures to remove compaction before preparing the seedbed?

(for buffer strips established for new ELS agreements only) (Y/N)

c. Do you cut the option area? (Y/N)

d. If yes: (i) How often? per year, every year(s) (ii) What time of year? (E/L)

(iii) Do you cut all or only part of the area at each time? (all, part - AL/PA)

(iv) If part, please give details

(v) Do you remove the cuttings? (Y/N)

13 EE1, EE2, EE3, EE6, EE8, EJ5, EJ9

a. Do you apply any herbicides to the option? (Y/N)

b. If yes: (i) What type of herbicide do you use?

(ii) What type of applicator do you use?
(Ground sprayer, knapsack, weed wiper, lance, other - GS/KN/WW/LA/OT)

(iii) what is the target?

14 EE1, EE2, EE3, EE8, EE9, EJ9

a. Is this option in a place where it will reduce soil erosion? (Y/N)

b. If yes, please give details:

15 EJ10 Enhanced management of maize crops to reduce soil erosion and run-off

Do you take measures to remove compaction after harvesting the maize? (Y/N)

16 EJ10, EJ13

a. What cover crop type(s) was/were/will be sown?

b. Do you drill or broadcast the cover crop? (Drill, broadcast - DR/BC)

c. When will you destroy the cover crop? (E/L)

17 EJ2 Management of maize crops to reduce soil erosion

Do you plough/cultivate after harvest, establish an autumn-sown crop or under sow the maize?
(Plough cultivate, autumn-sown crop, under sow maize - PC/AC/UM)

Ref: Option code

Options to encourage a range of crops
EF1, EF2, EF4; EG4

18 EF1 Management of field corners

a. Do you establish your field corners by natural regeneration or sowing? (NR/S)

b. If established by sowing, did/will you:

(i) Include wild flowers in the seed mixture? (Y/N)

(ii) take measures to remove compaction before preparing the seedbed ?

(for field corners established for new ELS agreements only) (Y/N)

19 EF1, EF4 Management of field corners, Nectar flower mixture

a. Do you cut the option area? (Y/N)

b. If yes: (i) How often? per year, every year(s)

(ii) What time of year? (E/L)

(iii) Do you cut all or only part of the area at each time? (all, part - AL/PA)

(iv) If part, please give details

(v) Do you remove the cuttings? (Y/N)

20 EF1, EF2, EF4 Management of field corners, Wild bird seed mixture, Nectar flower mixture

a. Do you apply any herbicides to the option? (Y/N)

b. If yes: (i) what type of herbicide do you use?

(ii) what type of applicator do you use?
(Ground sprayer, knapsack, weed wiper, lance, other - GS/KN/WW/LA/OT)

(ii) What is the target?

21 EF2 Wild bird seed mixture

a. Do you sow in the autumn or in Spring? (AU/SP)

b. Do you sow the crops in separate drill widths or in a mixture? (SDW/MIX)

c. Is the seed treated for seedling pests and diseases? (Y/N)

d. (i) Do you apply any insecticides? (Y/N)

(ii) If yes, what product(s) is/are used?

(iii) What is the target?

Qu. 20 continued:

e. Do you apply any fertiliser or manure? (fertiliser, manure, both - FE/MA/BO) [ ]

f. If yes to manure:

(i) What type of manure do you apply?

(cattle manure, pig manure, dairy slurry, beef slurry, pig slurry - CM/PM/DS/BS/PS) [ ]

(ii) What rate of organic manure do you normally apply per year (t/ha)? [ ] to [ ]

22 EF2, EF4 Wild bird seed mixture, Nectar flower mixture

a. What crops do you include in your mixtures?

[ ]

b. How often do you re-sow the mixtures? [ ]

c. Do you rotate the mixtures when re-establishing or keep them in the same place? (RO/SP) [ ]

23 EF4 Pollen & Nectar mixtures

a. If cut, were/will the cuttings removed? (yes, no, not cut - Y/N/NC) [ ]

b. Is the option area grazed? (Y/N) [ ]

c. If yes, at what time of year? (E/L) [ ]

24 EG4 Cereals for whole crop-silage followed by overwintered stubble

a. Do you apply any herbicides? (Y/N) [ ]

b. If yes: (i) What herbicides do you apply? [ ]

(ii) When are the herbicides be applied? [ ]

(iii) Are they be applied to all, or only some? (A/S) [ ]

c. Please fill in question **25** and **26** for this option's stubble details.

Notes:

Ref: | | | | | | Option code |

Options for arable land

EF6, EF7, EF8, EF9, EF10, EF11, EF13, EF15, EF22; EG4

25 EF6 , EF13, EF22, (EG4) Overwintered stubble

a. How do you deal with the straw after harvest? (Removed, chopped and spread, left - RE/CS/LE)

b. Do you carry out any cultivations of the stubble after harvest? (Y/N)

c. If yes: (i) What proportion of the stubble?

(ii) How are they cultivated?

(iii) When is this done?

d. Do you generally subsoil tramlines to remove compaction? (Y/N)

e. Do you apply pre-harvest desiccants or post harvest herbicides? (PR/PO/NO/BO)

f. At what date would you normally plough stubble?

26 EF9, EF10, EF15, (EG4)

a. Do you apply any herbicides? (Y/N)

b. If yes: (i) What herbicides are applied?

(ii) When are the herbicides applied?

(iii) Are they be applied to all, or only some? (A/S)

c. Do you rotate the option each year? (Y/N)

27 EF22 Extended overwintered stubble

a. Do you broadcast or sow any seed/nectar producing plants? (Y/N)

b. If so: (i) When?

(ii) What species?

28 EF9, EF10 Conservation headlands

Do you use a pre-harvest desiccant? (Y/N)

29 EF7 Beetle banks

a. What grass species do you sow?

b. Do you include any wild flowers in the mixture? (Y/N)

c. If so, which ones?

Qu. 29 Continued:

d. Do you cut the option area? (Y/N) ☐

e. If yes: (i) How often? ☐ per year, every ☐ year(s)

(ii) What time of year? (E/L) ☐

(iii) Do you remove the cuttings? (Y/N) ☐

f. (I) Is this option in a place where it will reduce soil erosion? (Y/N) ☐

(ii) If yes, please give details:

☐

30 EF7, EF11, EF22

a. Do you apply any herbicides to the option? (Y/N) ☐

b. If yes: (i) What type of applicator do you use?
(Ground sprayer, knapsack, weed wiper, lance, other - GS/KN/WW/LA/OT) ☐

(ii) What type of herbicide(s) do you use? ☐

(iii) What is the target? ☐

31 EF8 Skylark plots

a. How do you establish the plots? (lift drill, spray them out - LD/SO) ☐

b. If sprayed, when is this done? (E/L) ☐

32 EF11, EF15

Do you cultivate the area(s) in spring, autumn or a combination? (SP/AU/CO) ☐

33 EF13 Uncropped cultivated margins for ground-nesting birds on arable land

a. Do you spray before cultivating? (Y/N) ☐

b. What type of cultivator do you use to create the fallow? ☐

c. (i) Do you need to re-cultivate or spray in the spring? (re-cultivate, spray - RE/SP) ☐

(ii) If spray, please give details: ☐

Notes:

Ref: | | | | | | **Option code** |

Options for Grassland

EC25; EE4, EE5, EE6, EE7, EE10; EK1, EK2, EK3, EK4, EK5; EL1, EL2, EL3, EL4, EL5, EL6

34 EC25; EE4, EE5, EE6, EE7; EE10, EK1; EL1 Buffer strips on intensive grassland

How does the management of the strip/field corner differ from the rest of the field?

35 EK2, EK3, EK4; EL2, EL3, EL4

Range (if applicable)

a. What rate of nitrogen fertiliser do you apply per year (kg/ha of N)? ____ to ____

b. What rate of organic manure do you normally apply per year (t/ha)? ____ to ____

c. What type of manure do you apply?
(cattle manure, pig manure, dairy slurry, beef slurry, pig slurry - CM/PM/DS/BS/PS) ____

d. Do you normally roll/harrow this/these fields? (RO/HA/BO/NO) ____

e. If yes, when do you do this? (i) Roll (E/L) ____ (ii) Harrow (E/L) ____

f. Do you use supplementary feed in this field(s)? (Y/N) ____

36 EC25; EE4, EE5, EE6, EE7, EE10, EK1, EK2, EK3, EK4, EL1, EL2, EL3, EL4

a. Do you apply herbicides to your grassland? (Y/N) ____

b. If yes: (i) What type of applicator do you use?
(ground sprayer, knapsack, weed wiper, lance, other - GS/KN/WW/LA/OT) ____

(ii) What herbicide(s) are used? ____

(iii) what is the target? ____

c. Do you make spot or overall applications? (spot, overall - SP/OV) ____

d. (i) How often do you top the field(s)/buffer strip(s)? ____ per year, every ____ year(s)

(ii) Why do you top your fields(S)? ____

e. How often do you cut the field for hay/silage? ____ per year, every ____ year(s)

f. (i) Are the fields grazed? (Y/N) ____

If yes: (ii) What time of year? (E/L) ____ (iii) **Complete question 36.**

37 EK5 Mixed stocking (Qu. 36 continued)

What types of live-stock are grazed and how many?

	Average Number		Average number
Dairy cow		Hill ewe	
Beef cow		Ram and teg over 6 months	
Cattle over 2 years		Ewe follower and/or store lamb	
Cattle 6 months to 2 years		Horse	
Lowland ewe and lamb		Pony	

38 EK5 Mixed stocking

Over what period of the year are your animals grazed?

39 EK2, EK3; EL3, EL5, EL6 Archaeological features, grass land

Do you use supplementary feeders or plastic wrapped forage on this area? (Y/N)

40 EL5, EL6

a. Does the management of the area in this option differ in any way from management before entering ELS? (Y/N)

b. If yes, please give details:

41 EE6 6m buffer strips on inensive grassland

Do any of the buffer strips under this option run alongside a watercourse?

Notes:

DATE: **ELS - 2011 Phase 2** Option Specifi
Questionnair

Ref: | | | | | | Option code | |

Options for historic and archaeological sites
ED1, ED2, ED3, ED4, ED5

40 ED1 Maintenance of traditional weatherproof buildings

please describe work you have done for this option:

41 ED2 Take out of cultivation archaeological features currently on cultivated land

a. Did you establish the area by sowing or natural regeneration? (S/NR)

b. What other management, if any, have you carried out for this option?

42 ED3 Reduced depth, non-inversion tillage on archaeological features

How does your management of this option differ from previous management of this area?

43 ED4, ED5 Management of scrub on archaeological features, management of archaeological features on grassland

a. What management have you carried out for this option?

b. (i) Does this differ from previous management (before entering ELS)? (Y/N)

(ii) If yes, how?

44 ED2, ED5 Archaeological features, grass land

Have you used supplementary feeders or plastic wrapped forage on this area? (Y/N)

Notes:

Figure 13 Phase two option specific questionnaires

EB1, EB2, EB3 Hedgerow management (without ditches)	Rep. Number				
Hedge	**1**	**2**	**3**	**4**	**5**
Control of both sides of hedge?					
Location					
Located at edge of woodland OR scrub					
Aspect					
Is the hedge obstructed on either side (e.g. woodland, houses)?					
If obstructed, what direction does the obstructed side face?					
Management					
Cut recently (since July)?					
How many sides were cut?					
Laying/coppicing in last year?					
Saplings left to grow?					
Height (mean) in metres. Enter five values below	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Height 1					
Height 2					
Height 3					
Height 4					
Height 5					
Line of trees					
Canopy height (metres) - average height from base of hedge to lowest shrub leaf growth					
Average width of hedge (tip to tip) (metres)					
Gaps					
Percentage gaps					
Any gaps >5m wide?					
Number of species - native woody species					
Mean of two 30 metre lengths (calculated)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Number of native woody species in 1st 30 metre length					
Number of native woody species in 2nd 30 metre length					
% Cover of non-native woody species (% of vertical face of hedge)					
% of hedgerow shrubs flowering/fruiting in 30m length (including withered flowers/unripe fruits)					
Age					
Is the hedgerow clearly old? Indicated by width of stems (important for EB3)					
Boundary trees <1m from hedge					
Number of Native					
Number of Non-native					
<0.1m girth or <3cm diameter					
0.1-0.6m girth or 3-19cm diameter					
0.6-3.1m girth or 20-99 cm diameter					
>3.2m girth or >1m diameter					
Herbaceous (Cross compliance) Strip					
for arable hedge:					
Average width(m) of uncultivated strip from centre of hedge to cultivation					
Average width(m) of perrenial veg (between hedge growth tip and cultivation)					

Percentage cover of cross-compliance strip (2m from hedge centre)					
Calculated sum of cover (enter values below, to sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (to sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Non-native herbaceous species					
% cover of insect-pollinated forbs					
Adjacent feature (1 closest, 5 most distant)					
Ditch					
Buffer strip					
Game cover					
Other strip					
Please specify if other					
Adjacent feature is an ELS option?					
ELS option code					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N GPS position

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort
[2] Japanese knotweed, Himalayan balsam, rhododendron
[3] Common nettle, cleavers, broad leaved and curled docks

Figure 14 EB1, EB2, EB3 field form

EB6, EB7 Ditch management	Rep. Number				
	1	2	3	4	5
Ditch					
Cutting of bank vegetation					
Has bank been recently cut?					
How many sides were cut?					
Bank profile					
Percentage of bank with gently sloping profile or with berms and shelves					
Water level					
Water present in ditch?					
Depth of water (cm)					
Water level (measure field level to water level)					
Vegetation in water					
Floating					
Submerged					
Emergent					
Non-aquatic					
Are non-natives present?[1]					
Number of submerged, floating and/or emergent native aquatic species over a 20m length?					
What % of the water does algae cover?					
Herbaceous (Cross compliance) Strip/Ditch Bank					
Cross-compliance strip					
Width from middle of ditch to edge of cultivation (m)					
Width of uncultivated strip from top of ditch bank (m)					
Bankside vegetation					
Num species incl. grasses (mean)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
1					
2					
3					
4					
5					
Dominated by Phragmites?					
Is bank and cross compliance strip vegetation substantially different? *(if yes then complete information for both bank and strip cover below)*					
Are you unable to assess due to recent cut?					
Is tall vegetation present at the side of the ditch?					
Proportion of side 1 covered by tall vegetation					
Proportion of side 2 covered by tall vegetation					
Is scrub present at the side of the ditch?					
Proportion of side 1 covered by scrub					
Proportion of side 2 covered by scrub					
Is the ditch overhung by scrub or trees?					
% of ditch in heavy shade?					

Percentage cover of bank and CC Strip (if similar, or otherwise just bank)					
Calculated sum of cover (enter values below, sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[2]					
% Invasive aliens[3]					
% Nitrophilous species[4]					
% Bramble					
% Non-native herbaceous species					

Percentage cover of CC Strip (complete if vegetation in bank and CC strip are substantially different)					
Calculated sum of cover (enter values below, sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[2]					
% Invasive aliens[3]					
% Nitrophilous species[4]					
% Bramble					
% Non-native herbaceous species					
Adjacent boundary features (1 closest, 5 most distant)					
Hedge					
Wood					
Stone wall					
Other					
Please specify if other					
Adjacent feature is an ELS option?					
ELS option code					
Adjacent strip (1 closest, 5 most distant)					
Buffer strip					
Game cover					
Other					
Please specify if other					
Adjacent feature is an ELS option?					
ELS option code					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N for capture GPS position

[1] Australian swamp stonecrop, New Zealand pygmyweed, floating pennywort, waterfern, parrot's feather (all in water); Japanese knotweed (on bank) (or others if encountered)

[2] Creeping and spear thistle, broad-leaved and curled dock, ragwort

Figure 15 EB6, EB7 Ditch management field form

EB8, EB9, EB10 Hedge and Ditch Combined	Rep. Number				
Hedge	**1**	**2**	**3**	**4**	**5**
Control of both sides of hedge?					
Location					
Located at edge of woodland OR scrub					
Aspect					
Is the hedge obstructed on either side (e.g. woodland, houses)?					
If obstructed, what direction does the obstructed side face?					
Management					
Cut recently (since July)?					
How many sides were cut?					
Laying/coppicing in last year?					
Saplings left to grow?					
Height (mean) in metres. Enter values below	#####	#DIV/0!	#DIV/0!	#DIV/0!	###
Height 1					
Height 2					
Height 3					
Height 4					
Height 5					
Line of trees					
Canopy height (metres) - average height from base of hedge to lowest shrub leaf growth					
Average width of hedge (tip to tip) (metres)					
Gaps					
Percentage gaps					
Any gaps >5m wide?					

Number of species - native woody species					
Mean of two 30 metre lengths (calculated)	#####	#DIV/0!	#DIV/0!	#DIV/0!	###
1					
2					
% Cover non-native woody species (% of vertical face of hedge)					
% of hedgerow shrubs flowering/fruiting in 30m length (including withered flowers/unripe fruit)					
Age					
Is the hedgerow clearly old? Indicated by width of stems (important for EB3)					
Boundary trees <1m from hedge					
Number of Native					
Number of Non-native					
<0.1m girth or <3cm diameter					
0.1-0.6m girth or 3-19cm diameter					
0.6-3.1m girth or 20-99 cm diameter					
>3.2m girth or >1m diameter					
Ditch					
Management of bank vegetation					
Has bank been recently cut?					
How many sides were cut?					
Vegetation in water					
Floating					
Submerged					
Emergent					
Non-aquatic					

Herbaceous (Cross compliance) Strip/Ditch Bank					
From arable boundaries					
Average width(m) of uncultivated strip from centre of hedge to cultivation					
Average width(m) of perennial veg (between hedge growth tip and cultivation)					
Bankside vegetation - Num Species in 1x1m quadrat					
Dominated by Phragmites?					
Num species incl. grasses (mean)	#####	#DIV/0!	#DIV/0!	#DIV/0!	###
1					
2					
3					
4					
5					
Is bank and cross compliance strip vegetation substantially different? *(if yes then complete information for both bank and strip cover below otherwise just entry directly below)*					
Are you unable to assess due to recent cut?					
Percentage cover of bank and CC Strip (if similar or otherwise just bank)					
Calculated sum of cover (enter values below, sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					

Calculated sum of annuals and perennials (sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Non-native herbaceous species					
% cover of insect-pollinated forbs					
Percentage cover of CC Strip (complete if vegetation in bank and CC strip are substantially different)					
Calculated sum of cover (enter values below, sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Non-native herbaceous species					
% cover of insect-pollinated forbs					

Adjacent boundary features (1 closest, 5 most distant)					
Hedge					
Wood					
Stone wall					
Other					
Please specify if other					
Adjacent feature is an ELS option?					
ELS option code					
Adjacent strip (1 closest, 5 most distant)					
Buffer strip					
Game cover					
Other					
Please specify if other					
Adjacent feature is an ELS option?					
ELS option code					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**	
Location 1st Rep			Ensure that Simple survey utilit
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort
[2] Japanese knotweed, Himalayan balsam, rhododendron
[3] Common nettle, cleavers, broad leaved and curled docks

Figure 16 EB8, EB9, EB10 Hedge and Ditch combined field form

EB12/13 Earth banks	Rep. Number				
	1	2	3	4	5
Control of 1 or 2 sides of bank?					
% of gaps					
Any signs of deterioration?					
Details of deterioration					
Signs of damage by livestock					
Signs of damage by machinery					
If there are signs of damage, is there evidence of efforts to protect bank?					
Do any repairs match the traditional style?					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**astin**	**Northing**
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N for GPS position

Figure 17 EB12/13 Earth banks field form

EB 4/5 Stone Face Hedge Banks	Rep. Number 1	2	3	4	5
% of gaps					
% affected by erosion					
Cause of erosion or unknown?					
Do any repairs match the traditional materials and style?					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**orthing**	
Location 1st Rep			Ensure that Simple survey u
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

Figure 18 EB4/5 Stone face hedge banks field form

EB11 Stone Walls	Rep. Number				
	1	2	3	4	5
% of gaps					
% affected by bulging, slumping or bellying					
Do any repairs match the traditional materials and style?					
% of top stones missing					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing	
Location 1st Rep			Ensure that Simple surve
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

Figure 19 EB11 Stone walls field form

EC2 In field trees (grassland)	Rep. Number				
	1	2	3	4	5
Tree species (select Other if not matching value)					
Other species if not listed above					
Tree age (Y;M;V) (<20cm;20-99cm,>1m diameter)					
Area below tree canopy (or 15 times trunk diameter)					
Cultivation					
Storage of material/machinery					
Weed control					
Fallen timber? (20cm diameter)					
Moved to base of the tree?					
Livestock damage (if applicable)					
Supplementary feeding					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing	
Location 1st Rep			Ensure that Simple survey
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort

[2] Japanese knotweed, Himalayan balsam, rhododendron

[3] Common nettle, cleavers, broad leaved and curled docks

Figure 20 EC2 In field trees field form (grassland)

EC 1 In field trees (arable)	Rep. Number				
	1	2	3	4	5
Tree species (select Other if not matching value)					
Other species if not listed above					
Tree age (Y;M;V) (<20cm;20-99cm,>1m diameter)					
Area below tree canopy (or 15 times trunk diameter)					
Cultivation					
Storage of material/machinery					
Weed control					
Fallen timber? (20cm diameter)					
Moved to base of the tree?					
Livestock damage (if applicable)					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing	
Location 1st Rep			Ensure that Simple surve
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort

[2] Japanese knotweed, Himalayan balsam, rhododendron

[3] Common nettle, cleavers, broad leaved and curled docks

Figure 21 EC1 In field trees field form (arable)

EC 4 Woodland Edges *Assessments to be made from edge of woodland*	Rep. Number 1	2	3	4	5
Woodland type					
% native species					
Are native species of a mixed age?					
Are trees planted in rows?					
Ground flora contains plants typical of old woodland (e.g. Bluebells, wild garlic, dog's mercury etc.)?					
Dead Timber >20cm diameter:					
Standing					
Fallen					
Damage:					
Livestock/wild mammal damage?					
Inappropriate use (e.g. dumping, supplementary feeding)?					
Woodland Edges					
Width of uncultivated area adjacent to woodland edge?					
% shrubby cover within uncultivated strip adjacent to woodland edge					
Supplementary feeding, mineral licks, water troughs on 6m strip?					
Evidence of herbicide use within 6m?					
Evidence of poaching by livestock within 6m?					
Is a buffer strip option located next to the woodland edge area (i.e. In addition to the 6m woodland ege)? If yes, give width in m					
% cover of insect-pollinated forbs					
Injurious/Alien species within 6m of edge (record percentage of 6m area i.e. area to be managed)					
% Creeping thistle					
% Spear thistle					
% Curled dock					
% Broad leaved dock					
% Ragwort					
% Himalayan balsam					
% Rhododendron					
% Japanese knotweed					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing	
Location 1st Rep			Ensure that Simple survey utility is set to E/N
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

Figure 22 EC4 Woodland edge field form

EC 3 Woodland Fences *Assessments to be made from edge of woodland*	Rep. Number 1	2	3	4	5
Woodland type					
% native species					
Are native species of a mixed age?					
Are trees planted in rows?					
Ground flora contains plants typical of old woodland (e.g. Bluebells, wild garlic, dog's mercury etc.)?					
Age/Height structure					
Natural regeneration? i.e trees not planted					
Dead Timber >20cm diameter:					
Standing					
Fallen					
Damage:					
Livestock/wild mammal damage?					
Inappropriate use (e.g. dumping, supplementary feeding)?					
Woodland fences					
Are fences stockproof?					
Are fences in good condition?					
Evidence of stock grazing in woodland?					
Woodland edge					
Are there shrubby trees or hedgerow between large trees and field?					
Width of perennial herbaceous vegetation between woodland edge and cultivated land/grassland					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E
GPS position

Figure 23 EC3 Woodland fences field form

EC23 Establishment of hedgerow trees by tagging	Rep. Number				
	1	2	3	4	5
Age					
Is the hedgerow clearly old? Indicated by width of stems					
Number of hedge species - native woody species					
Mean of two 30 metre lengths (calculated)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Number of native woody species in 1st 30 metre length					
Number of native woody species in 2nd 30 metre length					
Which ELS option is the hedgerow in?					
Proportion of the tagged trees that are native species (%)					
Condition of tagged trees					
Proportion of the tagged trees that are straight stemmed? (%)					
Are there signs of damage to the tagged trees?					
If there is damage give details					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N
GPS position

Figure 24 EC23 Establishment of hedgerow trees by tagging field form

EC 24 Hedgerow tree buffer strips on cultivated land.	Rep. Number				
	1	2	3	4	5
Age					
Is at least one of the trees ancient?					
Proportion of the hedgerow trees that are native species?					
Condition of buffer strip					
What is the average width of the buffer strip?					
Buffer strip vegetation has at least 10% cover of broadleaved herbs (excluding undesirable species[1])?					
Has fallen timber been left in situ?					
Any evidence of removal of branches (with life of agreement)?					
Position on slope					
Slope (degrees)					
Percentage cover buffer strip					
Calculated sum of cover (enter values below, to sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (to sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[2]					
% Invasive aliens[3]					
% Nitrophilous species[4]					
% Bramble					
% Scrub					
% Trees					
% Other					
% vegetation <10cm high including bare ground					
Num. species of desirable forbs (not injurious spp., non-natives or nitrophilous) **(5 quadrats)**					
Quadrat 1					
Quadrat 2					
Quadrat 3					
Quadrat 4					
Quadrat 5					
Presence of injurious/alien species (tick all that apply)					
Creeping thistle					
Spear thistle					
Curled dock					
Broad-leaved dock					
Ragwort					
Himalayan balsam					
Rhododendron					
Japanese knotweed					

Adjacent feature (1 closest, 5 most distant)					
Ditch					
Stream					
River					
Hedge					
Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Other					
Please state what if other					
Cutting					
Has the strip been cut recently?					
If yes, which part has been cut?					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/
GPS position

[1] Creeping/ spear thistle, broad-leaved thistle, curled dock, ragwort, non-natives including Japanese knotweed and Himalayan balsam.
[2] Creeping and spear thistle, broad-leaved and curled dock, ragwort
[3] Japanese knotweed, Himalayan balsam, Rhododendron
[4] Common nettle, cleavers, broad-leaved and curled docks

Figure 25 EC24 Hedgerow tree buffer strips on cultivated land field form

EC25 Hedgerow tree buffer strips on grassland	Rep. Number				
	1	2	3	4	5
Age					
Is at least one of the trees ancient?					
Proportion of the hedgerow trees that are native species?					
Condition of buffer strip					
What is the average width of the buffer strip?					
On hay/silage fields has the strip been left uncut?					
In grazed fields, is there any overgrazing or poaching?					
Any evidence of removal of branches (with life of agreement)?					
Any signs of vehicular access?					
Any signs of livestock damage to the trees?					
Hay, silage fields					
Has the buffer been left uncut?					
Grazed fields: Evidence of poaching on buffer strip?					
Soil compaction/trafficking?					
Position on slope					
Slope (degrees)					
Percentage cover buffer strip					
Calculated sum of cover (enter values below, to sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (to sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Scrub					
% Trees					
% Other					
% vegetation <10cm high including bare ground					
Num. species of desirable forbs (not injurious spp., non-natives or nitrophilous) **(5 quadrats)**					
Quadrat 1					
Quadrat 2					
Quadrat 3					
Quadrat 4					
Quadrat 5					
Presence of injurious/alien species (tick all that apply)					
Creeping thistle					
Spear thistle					
Curled dock					
Broad-leaved dock					

Ragwort					
Himalayan balsam					
Rhododendron					
Japanese knotweed					
Adjacent feature (1 closest, 5 most distant)					
Ditch					
Stream					
River					
Hedge					
Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Other					
Please state what if other					
Vegetation height - grazed fields only (20 measurements, drop disk in cm)					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**	
Location 1st Rep			Ensure that Simple survey utility is set t
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort

[2] Japanese knotweed, Himalayan balsam, rhododendron

[3] Common nettle, cleavers, broad leaved and curled docks

Figure 26 EC25 Hedgerow tree buffer strips on grassland field form

ED2 Take out of cultivation archaeological features that are currently on cultivated land	Rep. Number				
	1	2	3	4	5
Location					
Is option situated on an archaeological feature?					
Does the option cover the whole of the archaeological feature?					
Is feature on NE target list?					
Detrimental Indicators					
Burrows					
Bare ground					
Trees					
Scrub					
Bracken					
Reeds					
Paths					
Vehicle tracks					
Poaching					
Fires					
New drainage					
Non-archaeological excavation					
Erosion					
Are there any bare patches (>4m^2) over feature?					
Evidence of : (tick all that apply)					
Supplementary feeding, water troughs, mineral licks?					
Tipping or dumping of material?					
Scrub development?					
Rutting or compaction?					
Evidence of Poaching?					
Storage of materials?					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N GPS position

Figure 27 ED2 Take out of cultivation archaeological features that are currently on cultivated land field form

ED1 Maintenance of weatherproof traditional farm buildings	Rep. Number				
	1	2	3	4	5
Eligibility					
Building pre-1940					
Building in traditional materials?					
Buildings used for agriculture?					
Condition					
Is the building sound and weatherproof?					
Are repairs in traditional materials?					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N for capture GPS position

Figure 28 ED1 Maintenance of weatherproof traditional farm buildings field form

ED3 Reduced-depth, non-inversion cultivation on archaeological features (min till)	Rep. Number				
	1	2	3	4	5
Location					
Is option situated on an archaeological feature?					
Does the option cover the whole of the archaeological feature?					
Is feature on NE target list?					
Crop cover					
Are there any of the following crops on the option:					
Short rotation coppice?					
Miscanthus?					
Maize?					
Beet?					
Potatoes?					
Other root crops (other than those for grazing in situ)?[1]					
Evidence of : (tick all that apply)					
Rutting?					
Compaction?					
Ploughing?					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N for ca
GPS position

[1] e.g. Fodder beet, swedes, stubble turnips

Figure 29 ED3 Reduced-depth, non-inversion cultivation on archaeological features field sheet

ED 5 Management of archaeological features on grassland	Rep. Number				
	1	2	3	4	5
Is the option clearly situated on an archaeological feature?					
Does the option appear to cover the whole of the feature?					
Is feature on NE target list?					
Detrimental Indicators					
Burrows					
Bare ground					
Trees					
Scrub					
Bracken					
Reeds					
Paths					
Vehicle tracks					
Poaching					
Fires					
New drainage					
Non-archaeological excavation					
Erosion					
Is area under permanent grassland?					
Are there any bare patches (>4m^2) over feature?					
Evidence of : (tick all that apply)					
Supplementary feeding					
Tipping or dumping of material					
Scrub development					
Rutting or compaction					
Supplementary feeding, troughs, licks etc.					
Storage of materials					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E
GPS position

Figure 30 ED5 Management of archaeological features on grassland field sheet

EE1, EE2, EE3 Buffer strips on cultivated land	Rep. Number				
	1	2	3	4	5
Average width of strip (m)					
Soil compaction/trafficking?					
Position on slope					
Slope (degrees)					
Percentage cover buffer strip					
Calculated sum of cover (enter values below, to sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (to sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Scrub					
% Trees					
% Other					
% vegetation <10cm high including bare ground					
Num. species of desirable forbs (not injurious spp., non-natives or nitrophilous) **(5 quadrats)**					
Quadrat 1					
Quadrat 2					
Quadrat 3					
Quadrat 4					
Quadrat 5					
Presence of injurious/alien species (tick all that apply)					
Creeping thistle					
Spear thistle					
Curled dock					
Broad-leaved dock					
Ragwort					
Himalayan balsam					
Rhododendron					
Japanese knotweed					

Adjacent feature (1 closest, 5 most distant)					
Ditch					
Stream					
River					
Hedge					
Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Other					
Please state what if other					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**	
Location 1st Rep			Ensure that Simple survey utility is set to E/N
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort

[2] Japanese knotweed, Himalayan balsam, rhododendron

[3] Common nettle, cleavers, broad leaved and curled docks

Figure 31 EE1, EE2, EE3 Buffer strips on cultivated land field sheet

EE4, EE5, EE6 Buffer strips on intensive grassland	Rep. Number				
	1	2	3	4	5
Hay, silage fields					
Has the buffer been left uncut?					
Grazed fields -Evidence of poaching on buffer strip?					
Soil compaction/trafficking?					
Position on slope					
Slope (degrees)					
Percentage cover buffer strip					
Calculated sum of cover (enter values below, to sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (to sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Scrub					
% Trees					
% Other					
% vegetation <10cm high including bare ground					
Num. species of desirable forbs (not injurious spp., non-natives or nitrophilous) **(5 quadrats)**					
Quadrat 1					
Quadrat 2					
Quadrat 3					
Quadrat 4					
Quadrat 5					
Presence of injurious/alien species (tick all that apply)					
Creeping thistle					
Spear thistle					
Curled dock					
Broad-leaved dock					
Ragwort					
Himalayan balsam					
Rhododendron					
Japanese knotweed					
Adjacent feature (1 closest, 5 most distant)					
Ditch					
Stream					
River					
Hedge					

Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Other					
Please state what if other					
Vegetation height - (20 measurements, drop disk in cm)					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N GPS position

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort

[2] Japanese knotweed, Himalayan balsam, rhododendron

[3] Common nettle, cleavers, broad leaved and curled docks

Figure 32 EE4, EE5, EE6 Buffer strips on intensive grassland field sheet

EE7 Buffering in-field ponds in grassland	Rep. Number				
	1	2	3	4	5
Average width of buffer (m)					
Minimum width of buffer (m)					
Evidence of livestock access to buffer?					
Proportion of buffer accessed by livestock?					
Pond					
Do drains discharge directly into pond?					
Does the buffer connect two ponds or wetland areas?					
% algal cover in pond water					
Are submerged, floating or emergent native aquatic spp. present?					
% pond margin covered with scrub or trees					
Hay, silage fields					
Has the buffer been left uncut?					
Grazed fields -Evidence of poaching on buffer strip?					
Soil compaction/trafficking?					
Position on slope					
Slope (degrees)					
Percentage cover buffer strip					
Calculated sum of cover (enter values below, to sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (to sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					

% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Scrub					
% Trees					
% Other					
% vegetation <10cm high including bare ground					
Num. species of desirable forbs (not injurious spp., non-natives or nitrophilous) **(5 quadrats)**					
Quadrat 1					
Quadrat 2					
Quadrat 3					
Quadrat 4					
Quadrat 5					
Presence of injurious/alien species (tick all that apply)					
Creeping thistle					
Spear thistle					
Curled dock					
Broad-leaved dock					
Ragwort					
Himalayan balsam					
Rhododendron					
Japanese knotweed					
Adjacent feature (1 closest, 5 most distant)					
Ditch					
Stream					
River					
Hedge					
Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Other					

Please state what if other					
Vegetation height (20 measurements, drop disk in cm)					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**orthing**	
Location 1st Rep			Ensure that Simple surv
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

Figure 33 EE7 Buffering infield ponds in grassland field sheet

EE8 Buffering in-field ponds in arable land	Rep. Number				
	1	2	3	4	5
Average width of buffer (m)					
Minimum width of buffer (m)					
Soil compaction/trafficking?					
Evidence of vehicle access?					
Slope (degrees)					
Evidence of livestock access to buffer?					
Proportion of buffer accessed by livestock?					
Pond					
Do drains discharge directly into pond?					
Does the buffer connect two ponds or wetland areas?					
% algal cover in pond water					
Are submerged, floating or emergent native aquatic spp. present?					
% pond margin covered with scrub or trees					
Percentage cover buffer strip					
Calculated sum of cover (enter values below, to sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (to sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Scrub					
% Trees					
% Other					
% vegetation <10cm high including bare ground					
Num. species of desirable forbs (not injurious spp., non-natives or nitrophilous) **(5 quadrats)**					
Quadrat 1					
Quadrat 2					
Quadrat 3					
Quadrat 4					
Quadrat 5					
Presence of injurious/alien species (tick all that apply)					
Creeping thistle					
Spear thistle					
Curled dock					
Broad-leaved dock					
Ragwort					
Himalayan balsam					
Rhododendron					
Japanese knotweed					

Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N for GPS position

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort

[2] Japanese knotweed, Himalayan balsam, rhododendron

[3] Common nettle, cleavers, broad leaved and curled docks

Figure 34 EE8 Buffering infield ponds in arable land field sheet

EE9 6m buffer strip on cultivated land next to a watercourse	Rep. Number				
	1	2	3	4	5
Average width of strip (m) (excluding cross compliance strip)					
Soil compaction/trafficking?					
Position on slope					
Slope (degrees)					
Soil type (or take sample)					
Chalky soil?					
Located next to a watercourse?					
Does adjacent watercourse contain water in summer?					
Used for access? (ruts, compaction, poaching?)					
Percentage cover buffer strip					
Calculated sum of cover (enter values below, to sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (to sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Scrub					
% Trees					
% Other					
% vegetation <10cm high including bare ground					
Num. species of desirable forbs (not injurious spp., non-natives or nitrophilous) **(5 quadrats)**					
Quadrat 1					
Quadrat 2					
Quadrat 3					
Quadrat 4					
Quadrat 5					
Presence of injurious/alien species (tick all that apply)					
Creeping thistle					
Spear thistle					
Curled dock					
Broad-leaved dock					
Ragwort					
Himalayan balsam					
Rhododendron					
Japanese knotweed					

Adjacent feature (1 closest, 5 most distant)					
Ditch					
Stream					
River					
Hedge					
Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Other					
Please state what if other					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**	
Location 1st Rep			Ensure that Simple survey utility is set to E/N for captu
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort

[2] Japanese knotweed, Himalayan balsam, rhododendron

[3] Common nettle, cleavers, broad leaved and curled docks

Figure 35 EE9 6m buffer strips on cultivated land next to a watercourse field sheet

EE10 6m buffer strip on intensive grassland next to watercourse	Rep. Number				
	1	2	3	4	5
Soil type (or take sample)					
Chalky soil?					
Located next to a watercourse?					
Width of strip (m)?					
Hay, silage fields					
Has the buffer been left uncut?					
Grazed fields -Evidence of poaching on buffer strip?					
Are livestock excluded from the buffer strip?					
Hay or silage fields - has strip been left uncut?					
Use for access - Soil compaction/trafficking?					
Position on slope					
Slope (degrees)					
Percentage cover buffer strip					
Calculated sum of cover (enter values below, to sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (to sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Scrub					
% Trees					
% Other					
% vegetation <10cm high including bare ground					
Num. species of desirable forbs (not injurious spp., non-natives or nitrophilous) **(5 quadrats)**					
Quadrat 1					
Quadrat 2					
Quadrat 3					
Quadrat 4					
Quadrat 5					
Presence of injurious/alien species (tick all that apply)					
Creeping thistle					
Spear thistle					
Curled dock					
Broad-leaved dock					
Ragwort					
Himalayan balsam					
Rhododendron					
Japanese knotweed					
Adjacent feature (1 closest, 5 most distant)					

Ditch					
Stream					
River					
Hedge					
Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Other					
Please state what if other					
Vegetation height - grazed fields only (20 measurements, drop disk in cm)					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N GPS position

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort

[2] Japanese knotweed, Himalayan balsam, rhododendron

[3] Common nettle, cleavers, broad leaved and curled docks

Figure 36 EE10 6m buffer strip on intensive grassland next to watercourse field sheet

EF1 Field Corner Management on Arable	Rep. Number				
	1	2	3	4	5
Location					
Located in a place where it can reduce erosion or prevent sediment entering watercourse? (e.g. valley bottom, bottom of slope)					
Soil type (or take sample)					
Is the soil chalky?					
Percentage cover					
Calculated sum of cover (enter values below, to sum to 100%)	0	0	0	0	0
% Cocksfoot & Italian ryegrass					
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (to sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Scrub					
% Trees					
% Other					
% cover of insect-pollinated forbs					
% vegetation <10cm high including bare ground					
Num. species of desirable forbs (not injurious spp., non-natives or nitrophilous) **(5 quadrats)**					
Quadrat 1					
Quadrat 2					
Quadrat 3					
Quadrat 4					
Quadrat 5					

Presence of injurious/alien species (tick all that apply)					
Creeping thistle					
Spear thistle					
Curled dock					
Broad-leaved dock					
Ragwort					
Himalayan balsam					
Rhododendron					
Japanese knotweed					
Adjacent feature (1 closest, 5 most distant)					
Ditch					
Stream					
River					
Hedge					
Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Arable					
Other					
Please state what if other					
If hedge, wood, treeline or shelterbelt, is it North, NE, or NW facing?					
Evidence of soil compaction?					
Evidence of vehicular access?					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Eastin**	**orthing**	
Location 1st Rep			Ensure that Simpl
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

Figure 37 EF1 Field corner management on arable land field sheet

EF2, EG2 Wild bird seed mixture	Rep. Number				
	1	2	3	4	5
Size of plot					
Area (ha)					
Strip (S) or Plot (P)					
Width of strip/plot (m)?					
Is plot located at field edge?					
Percentage cover					
Calculated sum of cover	0	0	0	0	0
Sown crops (enter additional ones below)					
Barley					
Triticale					
Kale					
Quinoa					
Linseed					
Millet					
Mustard					
Fodder radish					
Sunflower					
High value weed species[1]					
Difficult weeds[2]					
Injurious weeds[3]					
Other weed species					
Dead vegetation					
Bare ground					
% cover of the sown crop plants that is flowering/seeding?					
Adjacent feature (1 closest, 5 most distant)					
Ditch					
Stream					
River					
Hedge					
Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Other					
Please state what if other					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing	
Location 1st Rep			Ensure that Simple survey utility is set to E/N for ca
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] Fat hen, chickweed, knotgrass, redshank, pale persicaria, black bindweed, annual meadow-grass, charlock, fumitories

[2] Cleavers, grass weeds other than annual meadow-grass

[3] Creeping and spear thistle, broad-leaved and curled dock, ragwort

Figure 38 EF2, EG2 Wild bird seed mixture field sheet

EF4, EG3 Nectar flower mixture	Rep. Number				
	1	2	3	4	5
Size of plot					
Area (ha)					
Strip (S) or Plot (P)					
Width of strip/plot?					
Is plot located at field edge?					
Percentage cover					
Calculated sum of cover	0	0	0	0	0
Sown species					
Injurious weeds[1]					
Other forbs					
Grasses					
Dead vegetation					
Bare ground					
Sown species: are the following present?					
Red clover					
Alsike clover					
Bird's-foot-trefoil					
Sainfoin					
Musk mallow					
Common knapweed					
Cutting					
Evidence of area being cut recently?					
Proportion of area cut (%)					
Have cuttings been removed, shredded, or left?					
Flower number (counts per m^{-2})					
1					
2					
3					
4					
5					

Adjacent feature (1 closest, 5 most distant)					
Ditch					
Stream					
River					
Hedge					
Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Other					
Please state what if other					
If hedge, wood, treeline or shelterbelt, is it North, NE, or NW facing?					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Eastin**	**orthing**	
Location 1st Rep			Ensure that Simple survey
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort

Figure 39 EF4, EG3 Nectar flower mixture field sheet

EF 8 Skylark plots	Rep. Number				
	1	2	3	4	5
Is the crop winter cereal? (check with farmer if unsure)					
Field area (hectares)					
Percent of boundary = woods, tree lines					
Are plots at least 100m from woodland/ line of trees/ individual trees?					
Proportion that are <100m from woods, tree lines or individual trees					
Presence of power lines crossing field?					
Are plots at least 50m from field boundaries?					
% plots <50m from field boundary					
Are plots situated away from tramlines?					
% plots on tramlines					
Number of plots in field					
Dimensions of 5 plots (Width x Length) m					
Width plot 1					
Length plot 1					
Width plot 2					
Length plot 2					
Width plot 3					
Length plot 3					
Width plot 4					
Length plot 4					
Width plot 5					
Length plot 5					
Percentage cover					
Calculated sum of cover	0	0	0	0	0
High value weed species[1]					
Difficult weeds[2]					
Injurious weeds[3]					
Other Forbs					
Grasses					
Dead vegetation					
Bare ground					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N GPS position

[1] Fat hen, chickweed, knotgrass, redshank, pale persicaria, black bindweed, annual meadow-grass, charlock, fumitories

[2] Cleavers, grass weeds other than annual meadow-grass

[3] Creeping and spear thistle, broad-leaved and curled dock, ragwort

Figure 40 EF8 Skylark plots field sheet

EF7 BEETLE BANKS	Rep. Number				
	1	2	3	4	5
Position on slope					
Slope (degrees)					
Is bank on long (L) or short (S) axis of field?					
Average width of bank (m)					
Is the height of the bank at least 30cm?					
Is the field cultivated on both sides of bank?					
Soil type (or take sample)					
Is the soil chalky?					
Percentage cover					
Calculated sum of cover (enter values below, to sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (to sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Scrub					
% Trees					
% Other					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N for capture GPS position

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort

[2] Japanese knotweed, Himalayan balsam, rhododendron

[3] Common nettle, cleavers, broad leaved and curled docks

Figure 41 EF7 Beetle bank field sheet

EF11 Uncropped cultivated margins for rare plants (arable land)	Rep. Number				
	1	2	3	4	5
Average width of strip					
Position on slope					
Slope (degrees)					
Soil					
Soil type (or take sample)					
Free calcium carbonate?					
Peaty?					
Weed community : Arable					
Weed community : Grassland					
Percentage cover					
Calculated sum of cover	0	0	0	0	0
Rare weed species[1]					
Very rare species[1]					
High value weed species[2]					
Invasive aliens[3]					
Difficult weeds[4]					
Injurious weeds[5]					
Other Forbs					
Grasses					
Dead vegetation					
Bare ground					
Height of vegetation (20 measurements in cm)					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Adjacent feature (1 closest, 5 most distant)					
Ditch					
Stream					
River					
Hedge					
Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Other					
Please state what if other					

Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing	
Location 1st Rep			Ensure that Simple survey utility is set to E/N
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] see separate lists provided

[2] Fat hen, chickweed, knotgrass, redshank, pale persicaria, black bindweed, annual meadow grass, charlock, fumitories

[3] Japanese knotweed, Himalayan balsam, Rhododendron

[4] Grass weeds except annual meadow grass, cleavers

[5] Creeping and spear thistle, broad-leaved and curled docks, ragwort

Figure 42 EF11 Uncropped cultivated margins for rare arable plants (arable land) field sheet

EF13 Uncropped areas for ground-nesting birds	Rep. Number				
	1	2	3	4	5
Average width of strip					
Position on slope					
Slope (degrees)					
Soil					
Soil type (or take sample)					
Free calcium carbonate?					
Peaty?					
Weed community : Arable					
Weed community : Grassland					
Percentage cover					
Calculated sum of cover	0	0	0	0	0
Rare weed species[1]					
Very rare species[1]					
High value weed species[2]					
Invasive aliens[3]					
Difficult weeds[4]					
Injurious weeds[5]					
Other Forbs					
Grasses					
Dead vegetation					
Bare ground					
Height of vegetation (20 measurements in cm)					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Adjacent feature (1 closest, 5 most distant)					
Ditch					
Stream					
River					
Hedge					
Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Other					
Please state what if other					

Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing	
Location 1st Rep			Ensure that Simple survey utility is set to E/N
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] see separate lists provided

[2] Fat hen, chickweed, knotgrass, redshank, pale persicaria, black bindweed, annual meadow grass, charlock, fumitories

[3] Japanese knotweed, Himalayan balsam, Rhododendron

[4] Grass weeds except annual meadow grass, cleavers

[5] Creeping and spear thistle, broad-leaved and curled docks, ragwort

Figure 43 Uncropped areas for ground-nesting birds field sheet

EF22 Extended overwintered stubble	Rep. Number				
	1	2	3	4	5
Field size (ha)					
Previous crop					
Erosion risk					
Soil type (or take sample)					
Is the soil chalky?					
Slope of field (degrees)					
Any evidence of herbicide use?					
Seed/nectar crop sown in stubble?					
Area of seed/nectar crop?					
Percentage cover					
Calculated sum of cover	0	0	0	0	0
High value weed species[1]					
Difficult weeds[2]					
Injurious weeds[3]					
Other Forbs					
Grasses					
Dead vegetation					
Bare ground					
Evidence of broadleaved weed species seeding?					
Height of stubble cut (20 measurements in cm)					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Photographs					
Photo 1					
Photo 2					
Photo 3					

Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**	
Location 1st Rep			Ensure that Simple survey utility is set to E/N
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] Fat hen, chickweed, knotgrass, redshank, pale persicaria, black bindweed, annual meadow-grass, charlock, fumitories

[2] Cleavers, grass weeds other than annual meadow-grass

[3] Creeping and spear thistle, broad-leaved and curled dock, ragwort

Figure 44 EF22 Extended overwinter stubble field sheet

EF9 Unfertilised headlands within cereal fields	Rep. Number				
	1	2	3	4	5
Adjacent Habitat (Y/N)					
Buffer strip					
Wild bird seed					
Nectar flower mix					
Stubble					
Other					
If other, specify					
Width					
Desirable plant spp[4] (%)					
Broadleaved weed cover [5] (%)					
Undesirable weeds[3] (%)					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**astin**	**orthing**	
Location 1st Rep			Ensure that Simple survey
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[3] Undesirable weeds - Grass weeds except annual meadow grass, cleavers, creeping and spear thistle, b

[4] Fat hen, chickweed, *Polygonum* spp. (*Fallopia* (Natives), *Polygonum, Persicaria* (knotgrass, redshank,

[5] Broadleaved weeds: all forbs in crop other than cleavers

Figure 45 EF9 Unfertilised headlands within cereal fields field sheet

EF10 Unharvested headlands within cereal fields	Rep. Number				
	1	2	3	4	5
Adjacent Habitat (Y/N)					
Buffer strip					
Wild bird seed					
Nectar flower mix					
Stubble					
Other					
If other, specify					
Width					
Desirable plant spp[4] (%)					
Broadleaved weed cover[5] (%)					
Undesirable weeds[3] (%)					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing	
Location 1st Rep			Ensure that Simple survey
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[3] Undesirable weeds - Grass weeds except annual meadow grass, cleavers, creeping and spear thistle, broa

[4] Fat hen, chickweed, *Polygonum* spp. (*Fallopia* (Natives), *Polygonum, Persicaria* (knotgrass, redshank, bla

[5] Broadleaved weeds: all forbs in crop other than cleavers

Figure 46 EF10 Unharvested headlands within cereal fields field sheet

EJ9 12m buffer strips for watercourses on cultivated land	Rep. Number				
	1	2	3	4	5
Average width of strip (m) (excluding cross compliance strip)					
Soil compaction/trafficking?					
Position on slope					
Slope (degrees)					
Soil type					
Chalky soil?					
Located next to a watercourse?					
Does watercourse contain water in summer?					
% cover of algae					
Submerged, floating or emergent native aquatic spp. present?					
Used for access? (ruts, compaction, poaching?)					
Are livestock excluded from the area?					
Is tall vegetation present at the side of the ditch?					
Proportion of side 1 covered by tall vegetation					
Proportion of side 2 covered by tall vegetation					
Is the ditch overhung by scrub or trees?					
% of ditch in heavy shade					
Percentage cover buffer strip					
Calculated sum of cover (enter values below, to sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (to sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Scrub					
% Trees					
% Other					
% vegetation <10cm high including bare ground					
Num. species of desirable forbs (not injurious spp., non-natives or nitrophilous) **(5 quadrats)**					
Quadrat 1					
Quadrat 2					
Quadrat 3					
Quadrat 4					
Quadrat 5					
Presence of injurious/alien species (tick all that apply)					
Creeping thistle					
Spear thistle					
Curled dock					
Broad-leaved dock					
Ragwort					
Himalayan balsam					
Rhododendron					
Japanese knotweed					

Adjacent feature (1 closest, 5 most distant)					
Ditch					
Stream					
River					
Hedge					
Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Other					
Please state what if other					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**	
Location 1st Rep			Ensure that Simple survey utility is set to E/N f
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort

[2] Japanese knotweed, Himalayan balsam, rhododendron

[3] Common nettle, cleavers, broad leaved and curled docks

Figure 47 EJ9 12m buffer strips for watercourse on cultivated land field sheets

EJ11 Maintenance of watercourse fencing	Rep. Number				
	1	2	3	4	5
Adjacent watercourse					
Does watercourse contain water in summer?					
Does algae cover more than 30% of the watercourse?					
Does the watercourse contain submerged, floating or emergent native aquatic spp.?					
Adjacent habitat					
Is the adjacent habitat a buffer option of at least 6m?					
Fencing					
Is the fencing stockproof?					
Is fencing in good condition?					
Vegetation					
Is tall vegetation present at the side of the ditch?					
Proportion of side 1 covered by tall vegetation					
Proportion of side 2 covered by tall vegetation					
Is the ditch overhung by scrub or trees?					
% of ditch in heavy shade					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	Easting	Northing
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N fo
GPS position

Figure 48 EJ11 Maintenance of watercourse fencing field sheet

EK1 EL1 Take field corners out of management	Rep. Number				
	1	2	3	4	5
Location					
Located in a place where it can reduce erosion or prevent sediment entering watercourse? (e.g. valley bottom, bottom of slope, next to watercourse)					
Soil type (or take sample)					
Is the soil chalky?					
Any evidence of vehicular access?					
Evidence of grazing?					
If grazing evident, give detail					
Management					
Has the field corner been left uncut?					
Has the field corner been grazed?					
Soil compaction/trafficking?					
Position on slope					
Slope (degrees)					
Percentage cover in field corner					
Calculated sum of cover (enter values below, to sum to 100%)	0	0	0	0	0
% Fine grasses					
% Coarse/tussock grasses					
% Forbs					
% Woody species					
% Bare ground including loose litter					
% Dead vegetation					
Calculated sum of annuals and perennials (to sum to 100%)	0	0	0	0	0
% Annuals					
% Perennials					
% Injurious weeds[1]					
% Invasive aliens[2]					
% Nitrophilous species[3]					
% Bramble					
% Scrub					
% Trees					
% Other					
% vegetation <10cm high including bare ground					
Num. species of desirable forbs (not injurious spp., non-natives or nitrophilous) **(5 quadrats)**					
Quadrat 1					
Quadrat 2					
Quadrat 3					
Quadrat 4					
Quadrat 5					
Presence of injurious/alien species?					
Creeping thistle					
Spear thistle					
Curled dock					
Broad-leaved dock					
Ragwort					
Himalayan balsam					
Rhododendron					
Japanese knotweed					
Adjacent feature (1 closest, 5 most distant)					

Ditch					
Stream					
River					
Hedge					
Relict/remnant hedge					
Tree line					
Shelterbelt					
Woodland					
Stone wall					
Grassland					
Other					
Please state what if other					
Vegetation height - (20 measurements, drop disk in cm)					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E
GPS position

[1] Creeping and spear thistle, broad-leaved and curled dock, ragwort

[2] Japanese knotweed, Himalayan balsam, rhododendron

[3] Common nettle, cleavers, broad leaved and curled docks

Figure 49 EK1 EL1 Take field corners out of management field sheet

EK2 EK3 EL2 EL3 Permanent grassland with low/ very low inputs	Rep. Number				
	1	2	3	4	5
Soil type (or take sample)					
Is the soil chalky?					
Slope of field (degrees)					
Number of species (calculated from species data in Detailed Survey Quadrats worksheet below)	0	0	0	0	0
Number of quadrats with entries (calculated)	0	0	0	0	0
Average number of species per quadrat (calculated)					
Average % cover (calculated)					
Perennial ryegrass					
Other grasses					
White clover					
Creeping buttercup					
Injurious weeds					
Other forbs					
Dead vegetation					
Bare ground					
Sedges					
Rushes					
Sward height (cm)					
Cover over field					
% Trees and shrubs					
% Undesirable species[1]					
% cover of insect-pollinated forbs					
Soil					
Soil compaction?					
% area affected by compaction					
Waterlogging?					
% area affected by waterlogging					
Evidence of vehicular access? (tracks, ruts etc.)					
Poaching?					
% area affected by poaching					
Soil texture					
Evidence of archaeological features?					
Supplementary feeding					
Evidence of supplementary feeding?					
If yes, is it on or next to:					
Archaeological sites?					
Steep slopes?					
Footpaths?					
Watercourses?					
Vegetation height - grazed fields only (20 measurements, drop disk in cm)					
1					
2					
3					
4					
5					

6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**
Location 1st Rep		
Location 2nd Rep		
Location 3rd Rep		
Location 4th Rep		
Location 5th Rep		

Ensure that Simple survey utility is set to E/N fo
GPS position

[1] Undesirable species=creeping thistle, spear thistle, broad-leaved dock, curled dock, common ragwort, marsh ragwort, nettle, cow parsley, bracken

Rep. Number	1

1st Rep Enter Y to indicate species present in quadra

Number of species	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Species should appear below only once

Species (dropdown list)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10

Rep. Number	1	1st Rep

%cover (to total 100	0	0	0	0	0	0	0	0	0	0

Category	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
Perennial ryegrass										
Other grasses										
White clover										
Creeping buttercup										
Injurious weeds										
Other forbs										
Dead vegetation										
Bare ground										
Sedges										
Rushes										

Figure 50 EK2, EK3, EL2, EL3 Permanent grassland with very low inputs field sheet

EK4 EL4 Management of rush pastures	Rep. Number				
	1	2	3	4	5
Position on slope					
Slope of field (degrees)					
Soil type (or take sample)					
Is the soil chalky?					
Evidence of vehicular access?					
Field size (hectares)					
Boundary hedge - % of boundary					
% of hedge < 2m					
% of hedge > 2m					
Is the field:					
Adjacent to main road?					
Crossed by powerlines?					
Crossed by rights of way?					
% of field covered by:					
% Rushes					
% Grass and sedge tussocks					
% Trees and shrubs					
% Undesirable species[1]					
Grazing management					
Evidence of grazing by cattle?					
Evidence of supplementary feeding?					
Vegetation height - (20 measurements, drop disk in cm)					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Photographs					
Photo 1					
Photo 2					
Photo 3					
Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**	
Location 1st Rep			Ensure that Simple survey utility is set to E/N for ca
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] Undesirable species=creeping thistle, spear thistle, broad-leaved dock, curled dock, common ragwort, marsh ragwort, nettle, cow parsley, bracken

Figure 51 EK4, EL4 Management of rush pastures field sheet

EK5 Mixed stocking	Rep. Number				
	1	2	3	4	5
Soil type (or take sample)					
Is the soil chalky?					
Slope of field (degrees)					
Any livestock present?					
Type of livestock (and number if possible)					
Cover over field					
% Trees and shrubs					
% Undesirable species[1]					
Soil					
Soil compaction?					
% area affected by compaction					
Waterlogging?					
% area affected by waterlogging					
Evidence of vehicular access (tracks, ruts etc.)?					
Poaching?					
% area affected by poaching					
Soil texture					
Evidence of archaeological features?					
Supplementary feeding					
Evidence of supplementary feeding?					
If yes, is it on or next to:					
Archaeological sites?					
Steep slopes?					
Footpaths?					
Watercourses?					
Vegetation height - (20 measurements, drop disk in cm)					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Photographs					
Photo 1					
Photo 2					
Photo 3					

Additional notes					

Place cursor in Easting column and select Paste)	**Easting**	**Northing**	
Location 1st Rep			Ensure that Simple survey utility is set to E/N f
Location 2nd Rep			GPS position
Location 3rd Rep			
Location 4th Rep			
Location 5th Rep			

[1] Undesirable species=creeping thistle, spear thistle, broad-leaved dock, curled dock, common ragwort, marsh ragwort, nettle, cow parsley, bracken

Figure 52 EK5 Mixed stocking field sheet