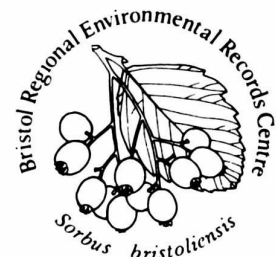


FIELDS EAST OF CHARLTON ROAD, KEYNSHAM

SITE NAME: FIELDS EAST OF CHARLTON ROAD, KEYNSHAM
LOCATION: KEYNSHAM
GRID REFERENCE: ST742670
SURVEY DATE: 17/10/2013
WEATHER: HEAVY SHOWERS

This report contains confidential data

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October 2013



1 INTRODUCTION

Bristol Regional Environmental Records Centre (BRERC) were commissioned by Bath and North East Somerset Council to conduct an initial Phase 1 survey of an area south-west of Keynsham on 11/06/2013. The survey area and field numbers are shown on **Map 1**. One of these fields (26) had been identified as possible **Lowland Meadow Priority Habitat** in the Phase 1 survey. The other field (25) could not be accessed during the initial survey.

2 SURVEY

Species in **bold** are notable in the BRERC region.
Other notable features are also in **Bold**.

The initial survey of 11/06/2013 followed the guidelines for Phase 1 survey. The subsequent survey was designed to gather more detailed information including measurements of relative abundance using the DAFOR scale (see section 6) and assessing the criteria used for **Priority Habitat** determination. An assessment of the potential for restoration of the fields south of Parkhouse Lane was also made using the guidance notes issued by Natural England.

Two members of BRERC staff visited the site on 17/10/2013 to conduct this follow-up survey.

2.1 Habitat Overview

Over the course of the two surveys nine fields in the survey area were identified as reasonably species-rich and assessed as either semi-improved or semi-improved neutral grassland (see **Map 1**). Seven of the fields were located south of Parkhouse Lane (fields 1-4 and 6-9) and two located north of Parkhouse Lane and east of Charlton Road (fields 25 and 26). A summary of the characteristics of these fields is given in the table below.

Table 1: comparison of fields within survey area

Field no.	1	2	3	4	6	7	9	25	26
<i>Total Grasses</i>	6	6	5	5	6	8	7	8	10
<i>Lowland Meadow Indicators</i>	0	0	0	0	0	1	0	1	2
<i>Wildflower indicators</i>	4	2	3	3	3	5	4	5	5
<i>Other Herbs</i>	4	6	3	4	4	9	4	4	6
Total herbs	8	8	6	7	7	15	8	10	13
Total species	14	14	11	12	13	23	15	18	23
<i>Phase 1 code</i>	SNG	SI	SNG	SI	SI	SNG	SNG	SNG	SNG
<i>Management</i>	Cattle	Meadow	Cattle	Cattle	Cattle	Horse	Cattle	Horse	Meadow

From the table it is apparent that fields 7 and 26 are the most diverse, each containing 23 different species of plant with 15 and 13 different herb species respectively. The table also

gives the number of indicator species recorded for Lowland Meadow (“Lowland Meadow Indicators”) and species-rich semi-improved grassland (“Wildflower Indicators”). A full species list for the survey areas is given in **section 3** with further details of the relevant indicator species recorded.

2.2 Habitat Description

2.2.1 Field 25 (East of Charlton Road, Keynsham)

Semi-improved neutral Grassland with affinities to NVC MG6 Lolium perenne-Cynosurus cristatus grassland

This field could not be accessed during the Phase 1 survey of 11/06/2013 but was seen to be grazed by horses. It was surveyed on 17/10/2013. The sward was short from recent grazing although no livestock were present on the day. The sward was grass-dominated with eight different grass species recorded including frequent Crested Dog’s-tail and Creeping Bent. Ten herb species were recorded including frequent Ribwort Plantain, Red Clover, White Clover and Creeping Buttercup. The overall composition indicates semi-improved neutral grassland with affinities to NVC MG6 *Lolium perenne-Cynosurus cristatus* grassland. Only one indicator species for **Lowland Meadow Priority Habitat** was recorded: Meadow Vetchling (frequent). The cover of Perennial Rye-grass and White Clover was relatively high (around 15-20%) and the proportion of wildflowers (excluding Creeping Buttercup and White Clover) relatively low (around 5-10%). On this basis the field, although reasonably diverse, **does not appear to meet the criteria for Lowland Meadow Priority Habitat**.

2.2.2 Field 26 (East of Charlton Road, Keynsham)

Semi-improved neutral Grassland with affinities to NVC MG6 Lolium perenne-Cynosurus cristatus grassland

This field was a tall uncut meadow on the first survey date (11/06/2013). On the subsequent survey date (17/10/2013) the meadow had been cut and was being grazed by horses. Overall ten different grass species were noted including frequent Perennial Rye-grass, Crested Dog’s-tail, Meadow Foxtail, Cock’s-foot, Red Fescue and Creeping Bent. Thirteen herb species were also recorded including frequent Meadow Buttercup and occasional Ribwort Plantain, Common Sorrel and Red Clover. The overall composition indicates semi-improved neutral grassland with affinities to NVC MG6 *Lolium perenne-Cynosurus cristatus* grassland. Only two indicator species for **Lowland Meadow Priority Habitat** were recorded: Meadow Vetchling (frequent) and Common Knapweed (rare). The cover of Perennial Rye-grass and White Clover was relatively high (around 15-20%) and the proportion of wildflowers (excluding Creeping Buttercup and White Clover) relatively low (around 5-10%). On this basis the field, although reasonably diverse, **does not appear to meet the criteria for Lowland Meadow Priority Habitat**.

2.2.3 Fields south of Parkhouse Lane, Keynsham (1,2,3,4,6,7,9)

Semi-improved neutral Grassland

Four of the fields south of Parkhouse Lane were assessed in the Phase 1 survey as semi-improved neutral grassland (fields 1, 3, 7 and 9). Of these, field 7 was the most species-rich with a total count of 23 species. The field was split (by electric fencing) into separate horse-grazed paddocks with the ungrazed sections exhibiting greater diversity. Fields 1, 3 and 9 were grazed by cattle. With appropriate management all these fields have the potential to

achieve **Lowland Meadow Priority Habitat** status. In particular fields 1, 7 and 9 all exceed the abundance threshold for wildflower indicator species for species-rich semi-improved grassland (see **Table 1**). This requires them to include at least four indicator species at a reasonable level of abundance (occasional or greater).

Semi-improved Grassland

Three of the fields south of Parkhouse Lane were assessed as semi-improved grassland (fields 2, 4 and 6). Although less species-rich than the other fields, these fields still include some of the wildflower indicator species for species-rich semi-improved grassland and would have some potential to achieve **Lowland Meadow Priority Habitat** status with appropriate management.

3 SPECIES RECORDED ON SITE

Notable species are emboldened.

Abundance The DAFOR system has been used for recording the abundance of plants—**D**ominant/**A**bundant/**F**requent/**O**ccasional/**R**are within the area recorded
L = locally eg. LD = locally dominant.
Pre = Present

UKAP - Currently listed as having a UK Biodiversity Action Plan (UK BAP Species)
SWAP - Currently listed in South West Biodiversity Action Plan (SW BAP Species)
Avon - Currently listed in Avon Biodiversity Action Plan
Bnes - Currently listed in Bath and North East Somerset Biodiversity Action Plan
S.I. - Indicator species for semi-improved grassland
BAP - Indicator species for Lowland Meadow UKBAP Priority Habitat
SGlos - Currently listed in South Gloucestershire Biodiversity Action Plan
SOCC - Currently listed as a UK Species of Conservation Concern

Please note - the absence of records in the following tables does not mean that species or habitats are not present on site, merely that they were not apparent at the time of survey

3.1 Species entered onto the BRERC species database

Field 25, east of Charlton Road, Keynsham ST642669

Common Name	Scientific Name	Abund.	UKAP	SWAP	Avon	Bnes	S.I.	indBAP	SGlos	SOCC
Common Bent	<i>Agrostis capillaris</i>	O								
Creeping Bent	<i>Agrostis stolonifera</i>	F								
Meadow Foxtail	<i>Alopecurus pratensis</i>	O								
Common Mouse-ear	<i>Cerastium fontanum</i>	O								
Crested Dog's-tail	<i>Cynosurus cristatus</i>	F								
Cock's-foot	<i>Dactylis glomerata</i>	O								
Red Fescue	<i>Festuca rubra</i>	O								
Yorkshire-fog	<i>Holcus lanatus</i>	O								
Meadow Vetchling	<i>Lathyrus pratensis</i>	F					✓	✓		
Perennial Rye-grass	<i>Lolium perenne</i>	O								
Timothy	<i>Phleum pratense</i>	O								
Ribwort Plantain	<i>Plantago lanceolata</i>	F					✓			
Meadow Buttercup	<i>Ranunculus acris</i>	O					✓			
Creeping Buttercup	<i>Ranunculus repens</i>	F								
Common Sorrel	<i>Rumex acetosa</i>	O					✓			
Lesser Trefoil	<i>Trifolium dubium</i>	O					✓			
Red Clover	<i>Trifolium pratense</i>	F					✓			
White Clover	<i>Trifolium repens</i>	F								
Common Vetch	<i>Vicia sativa</i>	R								
Bush Vetch	<i>Vicia sepium</i>	O								

Field 26, east of Charlton Road, Keynsham ST642670

Common Name	Scientific Name	Abund.	UKAP	SWAP	Avon	Bnes	S.I.	BAP	SGlos	SOCC
Chiffchaff	<i>Phylloscopus collybita</i>	pre								
Common Bent	<i>Agrostis capillaris</i>	O								
Creeping Bent	<i>Agrostis stolonifera</i>	F								
Meadow Foxtail	<i>Alopecurus pratensis</i>	F								
False Oat-grass	<i>Arrhenatherum elatius</i>	R								
Daisy	<i>Bellis perennis</i>	O								
Common Knapweed	<i>Centaurea nigra</i>	R					✓	✓		
Common Mouse-ear	<i>Cerastium fontanum</i>	O								
Crested Dog's-tail	<i>Cynosurus cristatus</i>	F								
Cock's-foot	<i>Dactylis glomerata</i>	F								
Red Fescue	<i>Festuca rubra</i>	F								
Dove's-foot Crane's-bill	<i>Geranium molle</i>	O								
Hogweed	<i>Heracleum sphondylium</i>	R								
Yorkshire-fog	<i>Holcus lanatus</i>	O								
Meadow Barley	<i>Hordeum secalinum</i>	O								
Meadow Vetchling	<i>Lathyrus pratensis</i>	O					✓	✓		
Perennial Rye-grass	<i>Lolium perenne</i>	F								
Ribwort Plantain	<i>Plantago lanceolata</i>	O					✓			
Hybrid Poplar	<i>Populus x canadensis</i>	R								
Blackthorn	<i>Prunus spinosa</i>	O								
Meadow Buttercup	<i>Ranunculus acris</i>	F					✓			
Bulbous Buttercup	<i>Ranunculus bulbosus</i>	O					✓			
Creeping Buttercup	<i>Ranunculus repens</i>	F								
Common Sorrel	<i>Rumex acetosa</i>	O					✓			
Broad-leaved Dock	<i>Rumex obtusifolius</i>	R								
Dandelion	<i>Taraxacum officinale</i> agg.	O								
Red Clover	<i>Trifolium pratense</i>	O					✓			
White Clover	<i>Trifolium repens</i>	F								
Common Vetch	<i>Vicia sativa</i>	O								
a dance fly	<i>Empis tessellata</i>	1								
a Tenthredo species (unidentified)	<i>Tenthredo</i> sp.	1								

Fields south of Parkhouse Lane, Keynsham ST647669 (1,2,3,4,6,7,9)

Common Name	Scientific Name	Abund.	UKAP	SWAP	Avon	Bnes	S.I.	BAP	SGlos	SOCC
Goldfinch	<i>Carduelis carduelis</i>	pre								
Chiffchaff	<i>Phylloscopus collybita</i>	pre								
Swallow	<i>Hirundo rustica</i>	pre								
Herring Gull	<i>Larus argentatus</i>	pre								

Common Name	Scientific Name	Abund.	UKAP	SWAP	Avon	Bnes	S.I.	BAP	SGlos	SOCC
Lesser Black-backed Gull	<i>Larus fuscus</i>	pre								
Willow Warbler	<i>Phylloscopus trochilus</i>	pre								
Roe Deer	<i>Capreolus capreolus</i>	pre								
Badger	<i>Meles meles</i>	pre								
Common Bent	<i>Agrostis capillaris</i>	O								
Creeping Bent	<i>Agrostis stolonifera</i>	F								
Meadow Foxtail	<i>Alopecurus pratensis</i>	F								
False Oat-grass	<i>Arrhenatherum elatius</i>	R								
Daisy	<i>Bellis perennis</i>	O								
Soft-brome	<i>Bromus hordeaceus</i>	O								
Common Mouse-ear	<i>Cerastium fontanum</i>	O								
Creeping Thistle	<i>Cirsium arvense</i>	O								
Smooth Hawk's-beard	<i>Crepis capillaris</i>	O								
Crested Dog's-tail	<i>Cynosurus cristatus</i>	F								
Cock's-foot	<i>Dactylis glomerata</i>	F								
Red Fescue	<i>Festuca rubra</i>	F								
Dove's-foot Crane's-bill	<i>Geranium molle</i>	O								
Hogweed	<i>Heracleum sphondylium</i>	R								
Yorkshire-fog	<i>Holcus lanatus</i>	O								
Meadow Barley	<i>Hordeum secalinum</i>	O								
Meadow Vetchling	<i>Lathyrus pratensis</i>	O					✓	✓		
Perennial Rye-grass	<i>Lolium perenne</i>	F								
Black Medick	<i>Medicago lupulina</i>	O					✓			
Ribwort Plantain	<i>Plantago lanceolata</i>	O					✓			
Hoary Plantain	<i>Plantago media</i>	R								
Blackthorn	<i>Prunus spinosa</i>	O								
Meadow Buttercup	<i>Ranunculus acris</i>	F					✓			
Bulbous Buttercup	<i>Ranunculus bulbosus</i>	O					✓			
Creeping Buttercup	<i>Ranunculus repens</i>	F								
Common Sorrel	<i>Rumex acetosa</i>	O					✓			
Broad-leaved Dock	<i>Rumex obtusifolius</i>	R								
Crack Willow	<i>Salix fragilis</i>	O								
Dandelion	<i>Taraxacum officinale</i> agg.	O								
Goat's-beard	<i>Tragopogon pratensis</i>	R					✓	✓		
Lesser Trefoil	<i>Trifolium dubium</i>	O					✓			
Red Clover	<i>Trifolium pratense</i>	O					✓			
White Clover	<i>Trifolium repens</i>	F								
Common Vetch	<i>Vicia sativa</i>	O								
Bush Vetch	<i>Vicia sepium</i>	R								
Azure Damselfly	<i>Coenagrion puella</i>	1								
Downlooker Snipefly	<i>Rhagio scolopaceus</i>	1								
Marsh Snipefly	<i>Rhagio tringarius</i>	1								
a scorpion fly	<i>Panorpa germanica</i>	1								
Spindle Ermine	<i>Yponomeuta cagnagella</i>	pre								
White-lipped Snail	<i>Cepaea (Cepaea) hortensis</i>	pre								
Common Garden Snail	<i>Cornu aspersum</i>	pre								

Common Name	Scientific Name	Abund.	UKAP	SWAP	Avon	Bnes	S.I.	BAP	SGlos	SOCC
Lapidary Snail	<i>Helicigona lapicida</i>	1								

4 FILES HELD AT BRERC FOR THIS AREA

ST66-0-125-002 This report (Fields east of Charlton Road, Keynsham, October 2013)

ST66-0-125-001 Keynsham SW Preliminary Ecological Assessment, June 2013

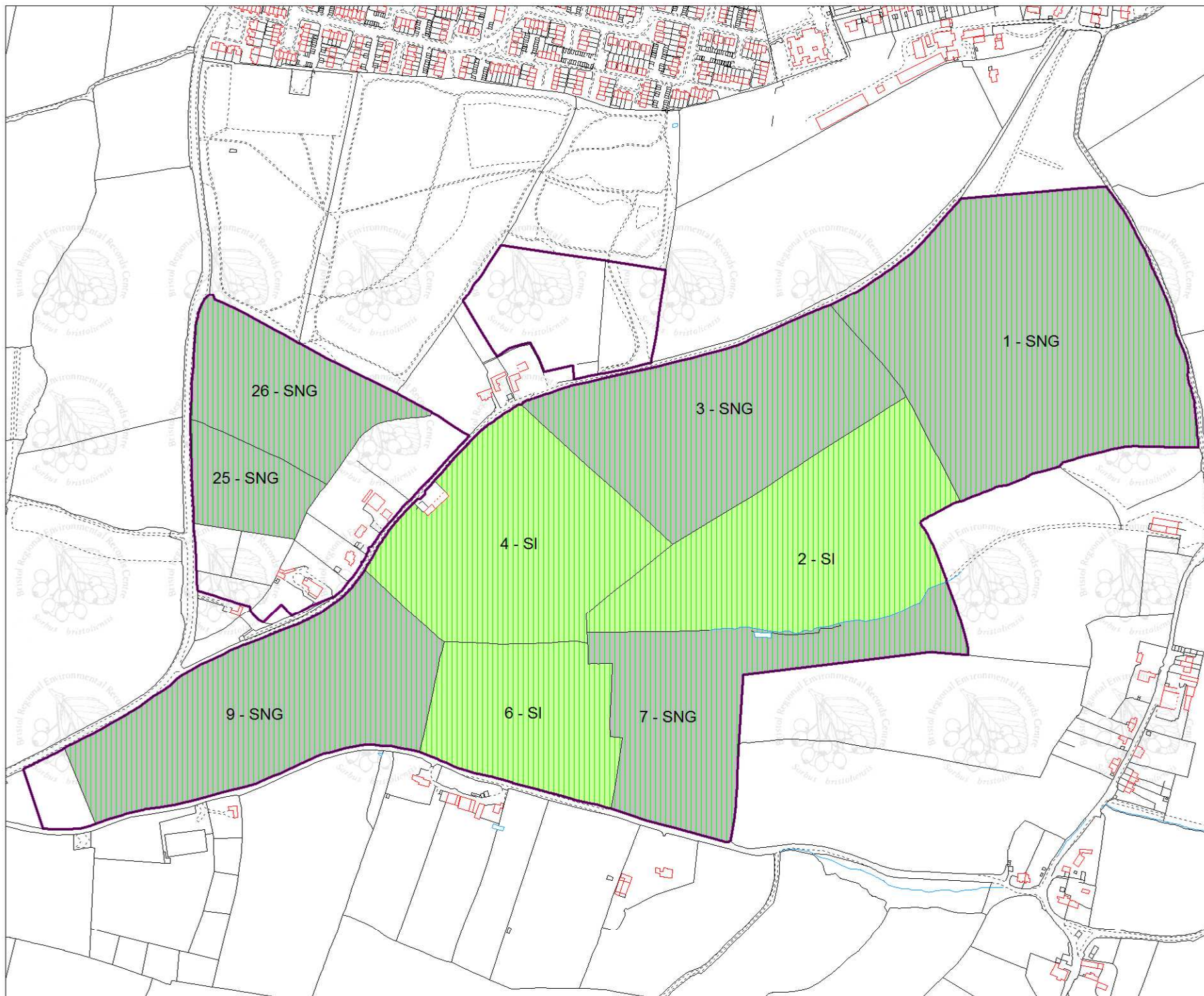
5 REFERENCES

Assessing whether created or restored grassland is a BAP Priority Habitat. First Edition June 2012. Natural England.

6

APPENDICES

MAP



Map 1

Field Numbers & Phase 1



Compiled by BRERC
on 29/10/2013

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