This following appendix accompanies the article

Public perceptions of unusually warm weather in the UK: impacts, responses and adaptations

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Appendix 1

QUESTIONNAIRE ON IMPACTS OF CLIMATE EXTREMES



	\sim \star	
1.	What is your own experience of extreme weather in the UK?	
	(Please t	ick one bo
	A I prefer unusually cold weather to unusually warm weather	21
	B I prefer unusually warm weather to unusually cold weather	66
	C I hardly notice extreme weather	4
	D No opinion	5

You can probably remember a hot and dry summer in recent years. Please think about this unusual summer, and answer the following questions.

very favourably

Can't remember/Doesn't apply/Missing

2. In your everyday life, which of the following was affected by the especially hot and dry summer? (Please tick one box for each)

very unfavourably

	very ungave				javouracty		temoer, E		
A Personal comfort	16	25	11	30	15		1	1	3
	very unfavo	ourably		very	favourably				
B Activities at work, college,	16	28	18	14	6		1	13	4
or school									
	very unfavo	ourably	1	very	y favourably			ı	1 1
C Housework	13	29	26	14	6		0	9	2
	very unfavo	ourably		very	favourably				
D Outdoor leisure activities	9	13	8	32	34		0	2	3
	very unfavo	ourably		verı	favourably				
E Health	3	12	29	25	29		0	0	2
	very unfavo	ourably	•	very	favourably		•	•	
F Everyday travel	11	26	22	26	8		0	3	3
	very unfavo	ourably		very	favourably				
G Air quality	18	27	27	18	5		2	1	2
	much less	•	•	•	much more	?	•	•	
H Water use	3	10	25	35	26		0	1	3
	much less				much more	?			
I Home energy use	42	20	16	10	9		0	1	2
J. Other (please say what it is):									
9% responded					-2	-1 0		1	2

	(Ple	ease state the letter)									
I	ost o	common response was A (29%)	%)								
	Н	ow do you feel when the	weather	r is ver	y hot in	terms	of mood	d, energy ou	ıtlook	etc.?	•
			very		1	1	ve	-	Do	n't knov	v/Missi
		depressed	3	13	12	32	37	cheerful			0 2
	Di	id you change the way y	ou trave	lled du	ring the	espec	ally hot	and dry sur	mmer	weat	her?
	(Ple	ease tick one box for each means of t	travelling)			-	•	•			
			much less		Т		much mor	re Can't reme	mber/Do	oesn't aj	ply/M
	A	Public transport use	10	6	33	4	1		1	34	11
			much less				much mor	<u>re</u>		1	
	В	Private car use	4	17	41	13	6		0	13	6
			much less				much mo	ore			
	C	Motorbike/scooter use	1	0	16	1	2		0	65	15
			much less				much mor	r <u>e</u>			
	D	Bicycle use	0	1	13	12	10		0	50	14
			much less				much mor	r <u>e</u>			
	E	Walking	3	10	20	32	26		1	3	5
			much less				much mo	re Can't rem	ember/L	Doesn't	apply/
	A	Beaches	3	1	29	23	16	are Can trem	1	24	<i>appıy</i> /. 4
			much less		I.		much mor	-o			
	В	Swimming pools	1	2	37	18	12		0	26	4
	С	Countryside (e.g. forests,	much less		·		much mor	-	<u></u>	<u> </u>	
		National Parks, rivers, lakes)	1	2	18	42	25		1	11	2
	D	O-41			Ļ		,	_	<u> </u>	<u> </u>	Ь—
		Outdoor sports facilities e.g. for tennis, athletics etc.)	much less	3	25	18	much mor	<u>re</u>	1	32	5
	`	,,									
	Е	Indoor sports centres	much less	6	39	5	much mo	<u>ore</u>	1	37	6
										-	
	F	Theatres/cinemas/museums	much less	14	42	9	much mor	<u>re</u>	1	19	5
	G	Indoor restaurants/bars	much less 8	17	41	13	much mor	re	0	14	5
	_			11	,,,	13				l - '	
	Н	Open air restaurants/bars	much less	2	22	33	much mor	re	0	15	4
	11	open an restaurants/bars			22	33	22			1.3	
	I	Other (please say what it is):	:								
		responded				Г	-2	-1 0	1	<u> </u>	2

3. Which of the effects in Question 2 was the <u>most important</u> one for you?

7. Did you take fewer summer?	or more day trips during the hot and dry summer compared to a normal
(Please tick one box)	many fewer many more Can't remember/Doesn't apply/Miss 5 10 24 34 18 2 7 1
8. Did you take fewer dry summer?	or more weekend or short holiday breaks (2-3 days) during the hot and
(Please tick one box)	many fewer many more Can't remember/Doesn't apply/Miss 4 5 40 25 8 1 16 2
9. Did the hot summer	influence your main summer holiday plans?
·	(Please tick all which apply) day plans for the same year day plans for the following year y plans 82 5
10. If your answer to Q	uestion 9 is Yes (A or B) in what way(s) did you change your plans?
	(Please tick all which apply)
A Stayed at home inste	
B Went away instead of	
C Stayed in the UK ins	
D Went abroad rather t E Changed the timing	an remaining in the UK 1
F Took more days hol	lov
G Other (please say wh	at it in le
	<i>u u is).</i>
11. Perhaps you reme	aber which unusually hot and dry summer you have been thinking about
(Please tick the appropriate	2 1 1 990 1991 Other?4 1995 1996 1997 1998 Can't remember 33
	10 9 20 2 Missing 15

12. Did you make any <u>permanent</u> changes to your lifestyle as a result of the hot and dry summer?

	(Please tick any which apply)
A I spend more time outdoors	48
B I avoid the sun more	32
C I drive the car less	20
D I drive the car more	6
E I eat more fruit and salad	51
F I try to use less water	26
G I grow different plants in my garden	14
H I take my main holiday at a different time of the year	12
I I am more likely to spend my holidays in the UK	27
J I go abroad for my holiday more often	3
K Other (please say what it is):	4

13. For the <u>country as a whole</u>, how do you think each of the following was affected by the hot, dry summer weather? (*Please tick one box for each*)

		very unfavo	ourably		very	favourably	Can't ren	1ember/L	oesn't ap	pply/Missing
A	Hospitals and medical	13	32	23	12	2		5	4	9
	services		•		•				•	
		very unfavo	ourably	1	very	favourably			1	
В	Agriculture	23	28	10	19	7		2	3	8
		very unfav	ourably		very	favourably				
C	Water supply	59	26	4	2	3		0	2	4
		very unfavo	ourably	•	very	, favourably			•	
D	Road traffic	34	35	11	5	4		2	2	8
		very unfavo	ourably		very	favourably				
E	Air quality	39	37	10	3	3		2	2	4
		very unfavo	ourably		very	favourably				
F	Countryside and wildlife	8	32	20	21	7		2	2	9
		very unfavo	ourably		very	favourably				
G	Productivity at work	13	35	18	11	4		2	6	11
		very unfavo	ourably		ver	y favourably				
Н	Leisure and tourism	0	2	4	23	59		2	2	6
		very unfavo	ourably		ver	y favourably				
I	The UK economy	0	4	26	32	19		5	3	12
	many fewer					many more				
J	Outdoor fires	5	10	9	23	43		2	3	6
		much less				much more				
K	Crime and public disorder	4	12	30	22	16		5	3	9

Thank you for answering the questions about a previous hot summer. Now we'd like to ask you some questions about the future.

14	Dox	you think t	hat unusually	hot and dry	summers will	become more	common in	future?
ıT.	יטע	you unink u	mai umusuamy	not and dry	Summers will	occome more		Tutuic :

4 8 10 36 22 18 2	ve	ry unlikely				very like	ely	$D\epsilon$	on't know	/Missing
		4	8	10	36	22			18	2

	15.	Imagine th	nat hot and	dry summers	are going to	be more	common in	future.
--	-----	------------	-------------	-------------	--------------	---------	-----------	---------

A. How would it affect you? It would be (Please tick one box per row):

ve	ry				very		Da	n't know	/Missing
unpleasant	10	11	9	44	22	pleasant		2	3
ve	ry				very		Do	n't know	Missing
alarming	7	22	32	14	6	unimportant		5	15

B. How would it affect the countryside and wildlife? It would be:

	Very				very	1	Do <u>n't know</u>	/ Missing
unfavourable	12	43	15	16	4	favourable	8	2

C. How would it affect the UK economy? It would be:

	Very				very	_	Do <u>n't know</u>	/ Missing
unfavourable	3	9	19	32	16	favourable	19	2

16. If hot and dry summers were more common, would there be any positive effects for you?

<i>Yes</i> 85	No 7	Don't know/ Missing 4 3
If yes, what are they?	(Please tick all which apply)	
A Increased personal comfort	40	
B Better health	49	
C People will be more sociable	51	
D Outdoor activities will increase	71	
E Energy costs will be lower	78	
F More relaxed lifestyle	69	
G Other (please say what it is):	9	

17. If hot and dry summers were more common, we	ould there be an	y <u>negative</u> effe	cts for you?
<i>Yes</i> 74	No 16		Don't know
If yes, what are they?	(Please tick any whic	ch annhy)	
A Reduced personal comfort B Health problems C Outdoor activities will decrease D Crime and social tension will increase E Water shortages F Poor air quality G Other (please say what it is):	33 16 8 22 66 59 4		
18. Would you make any <u>permanent</u> changes to you common?	ur lifestyle if ho	t, dry summers	become more
	(Please tick any whic	ch apply)	
A I would spend more time outdoors	72		
B I would avoid the sun more	46		
C I would drive the car less	30		
D I would drive the car more	7		
E I would eat more fruit and salad	66		
F I would try to use less water	52		
G I would grow different plants in my garden	38		
H I would take my main holiday at a different time of the	year 24		
I I would be more likely to spend my holidays in the UK	50		
J I would go abroad for my holiday more often	3		
K Other (please say what it is):	4		
19. Do you find the prospect of global warming:			
Nation	varv		No opinion/Missing
worrying 29 39 16	5 2	exciting	6 4

For the next set of questions, we would like you to remember an unusually warm winter in the last few years. Please think about this unusual winter and answer the following questions.

20. In your everyday life, which of the following was influenced by the unusually warm/mild winter?

(Please tick one box for each)	very unfavo	amabb.			warn fawar	nahlu Ca	't wans an	nber/Doesn't	annh./Missi
A Personal comfort	2	9	13	45	very favou 24		3		4
			13		<u> </u>				1
B Everyday travel	very unfavo 1	3	20	40	very favou 25		2	2 3	6
	very unfavo	I	20		very favou			1	
C Outdoor leisure activities	2	5	19	36	20		2	. 9	8
	very unfavo				very favou		<u> </u>	ļ	ļI
D Winter sports (e.g. skiing)	10	9	19	2	1		2	43	14
	very unfavo	ourably			very favou	rably			
E Winter "atmosphere"	13	18	22	21	9		4	3	10
	very unfavo	urably			very favou	rably			
F Health	6	10	29	34	14	1	3	1	4
	very unfavo	urably			very favoi	ırably			
G Air quality	3	11	39	26	10)	5	0	6
	much less				much m	ore			
H Home energy use	20	35	10	20	11	1	1	. 0	4
	many fewer				many m	ore		·	
I Pests (insects, mice, etc.)	5	8	22	28	17	7	6	5 7	7
3 % responded					-2	-1	0	1	2
21. Which of the effects in ((Please state the letter) Most common response was A (32)		20 is the	most ir	<u>npor</u>	<u>tant</u> on	e for yo	ou?		
22. How do mild winters ma	ake you fe	eel in ter	rms of n	nood		very	ok etc		now/Missing 3
23. Perhaps you remember v	which unu	ısually v	warm w	inter	you ha	ive beer	ı thinki	ing abou	t?
(Please tick the appropriate box):	88/89	90/91	92/93	٦Г	94/95	96/97		Other?.	0
	1	1	0	 	1	4	1		
	89/90	91/92	93/94	╡┢	95/96	97/98]	Can't rom	nember 43
	-		1	$\dashv \vdash$			1	Missin	
	0	0	0	╝┖	3	36	_	141133111	5 11

Could you please provide us with some information about yourself?

40% of responder	ounty where you liver the same plants living in the same plants				
40% of responder	its fiving in the same pr				
Are you:					
	Male Missing	45	Female	54	
Which age group d	o you belong to:				
	A 16-24 B 25-34 D 35-44 E 45-54	6 18 22 20	F 55-64 G 65-74 H 75+	14 13 6	
Which of the follow	wing best describes	you:			
(Please tick all which a	pply)		A	· · · · · · · · · · · · · · · · · · ·	
		Now		time of the hot sum ied earlier	inter you
A StudentB Looking after fanC EmployedIf employed, plea	nily or home ase give occupation:	13 40		4 11 34	
D Seeking work	•••••	2		0	
E Retired		23		9	
F Long-term sick of	or disabled	4		1	
G Other (please sa	y what it is):	2		1	

	A	Outdoors		45			
	В	Indoors without air conditioning		37			
	C	Indoors with air conditioning		9			
	D	Can't remember		5			
	Mi	ssing		5			
8.	8. During the hot summer you identified (Please tick all which apply), Did you: Do you now?						
	A B C	Keep a garden/allotment? Own/share a car? Have air conditioning in your car?	64 73 13	53 57 13			
9.	How many people live in your household?						
	(Ple	ease state the number):	Most common response was 2	people (40%)			
10	. H	How many children (under 16) live ir	n your household?				
	(Ple	pase state the number).	Most common response was 0	children (69%)			

(Please tick one box)

7. During the daytime of this hot summer, were you mainly:

Many thanks for giving up your time. Please post your completed questionnaire to us in the stamped envelope provided, to arrive by Friday 23 October 1998. We will be producing a summary of the results from the survey early in 1999. If you would like to receive this summary, please fill in the accompanying slip. Return it with the questionnaire, or separately if you wish to be certain of remaining anonymous.