AGE **ACCESS** & ADVOCACY

Analyzing the BCE 2023

Quantitative Spatial Sciences Lab University of Bristol



ALISTAIR ANDERSON
JOSEPH DAY
SEAN FOX
DAVID MANLEY
LEVI JOHN WOLF

ISABELLE BI

NICHOLAS DORWARD

LENKA HAŠOVÁ

EMMANOUIL TRANOS



ALISTAIR ANDERSON
JOSEPH DAY
SEAN FOX
DAYID MANLEY
LEVI JOHN WOLF

ISABELLE BI
NICHOLAS DORWARD
LENKA HAŠOVÁ
EMMANOUIL TRANOS





ALISTAIR ANDERSON
JOSEPH DAY
SEAN FOX
DAVID MANLEY
LEVI JOHN WOLF

ISABELLE BI
NICHOLAS DORWARD
LENKA HAŠOVÁ
EMMANOUIL TRANOS





Equality, Community and Continuity: Reviewing the UK Rules for Constituency Redistributions

Ron Johnston,
David Rossiter and Charles Pattie

ALISTAIR ANDERSON
JOSEPH DAY
SEAN FOX
DAVID MANLEY
LEVI JOHN WOLF

ISABELLE BI
NICHOLAS DORWARD
LENKA HAŠOVÁ
EMMANOUIL TRANOS



A Review of the 2023 Boundary Commission for England Draft Plan

ALISTAIR ANDERSON

JOSEPH DAY

SEAN FOX

DAVID MANLEY

LEVI JOHN WOLF

ISABELLE BI

NICHOLAS DORWARD

LENKA HAŠOVÁ

EMMANOUIL TRANOS



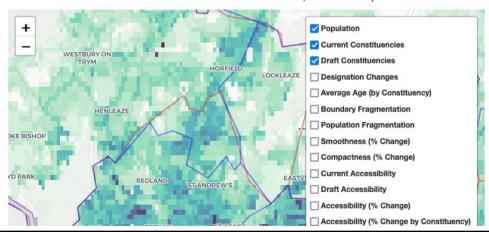
A Review of the 2023 Boundary Commission for England Draft Plan



A Review of the 2023 Boundary Commission for England Draft Plan One of the 2023 Boundary Draft Plan

Report on Boundary Commission for England 2023's Draft Constituency Plan

The University of Bristol Quantitative Spatial Sciences Lab (QuSS) examined the Boundary Commission for England's draft plan for Westminster Parliamentary Constituencies across England. We published our findings in a report. To make it easy for voters and the Commission to explore our analyses, we provide a webmap below (and a full-screen version). We provide explanations for each of the the layers in the webmap at the bottom of this page. And, for further information on how these measures are calculated, check the report itself.





DESIGNATION AND DENSITY



Constituencies become oddly-shaped and less accessible

Young voters are severely disempowered



Constituencies become oddly-shaped and less accessible

Young voters are severely disempowered



Table 1 (p. 12)	Smoothness	Smoothness	Compactness	Compactness
	(draft)	(current)	(draft)	(current)
East Midlands	0.0302	-0.0301	0.07	-0.0119
Eastern	-0.476	-0.5038	0.2119	0.3325
London	0.6105	0.7418	-0.233	-0.2071
North East	-0.4266	0.0157	0.3022	0.0476
North West	0.3253	0.2792	0.2982	0.2598
South East	-0.0015	-0.1931	0.0569	-0.088
South West	-0.5755	-0.4041	0.2567	0.2464
West Midlands	0.3308	0.4437	-0.0097	0.2055
Yorks. & the Humber	-0.1194	-0.2497	-0.1048	-0.1987



London const's. become "wiggly" and elongated

T 11 4 (42)	Smoothness	Smoothness	Compactness	Compactness
Table 1 (p. 12)	(draft)	(current)	(draft)	(current)
East Midlands	0.0302	-0.0301	0.07	-0.0119
Eastern	-0.476	-0.5038	0.2119	0.3325
London	0.6105	0.7418	-0.233	-0.2071
North East	-0.4266	0.0157	0.3022	0.0476
North West	0.3253	0.2792	0.2982	0.2598
South East	-0.0015	-0.1931	0.0569	-0.088
South West	-0.5755	-0.4041	0.2567	0.2464
West Midlands	0.3308	0.4437	-0.0097	0.2055
Yorks. & the Humber	-0.1194	-0.2497	-0.1048	-0.1987



North West const's. become less so

T 11 4 (40)	Smoothness	Smoothness	Compactness	Compactness
Table 1 (p. 12)	(draft)	(current)	(draft)	(current)
East Midlands	0.0302	-0.0301	0.07	-0.0119
Eastern	-0.476	-0.5038	0.2119	0.3325
London	0.6105	0.7418	-0.233	-0.2071
North East	-0.4266	0.0157	0.3022	0.0476
North West	0.3253	0.2792	0.2982	0.2598
South East	-0.0015	-0.1931	0.0569	-0.088
South West	-0.5755	-0.4041	0.2567	0.2464
West Midlands	0.3308	0.4437	-0.0097	0.2055
Yorks. & the Humber	-0.1194	-0.2497	-0.1048	-0.1987



Here, const's become more "wiggly" while staying compact

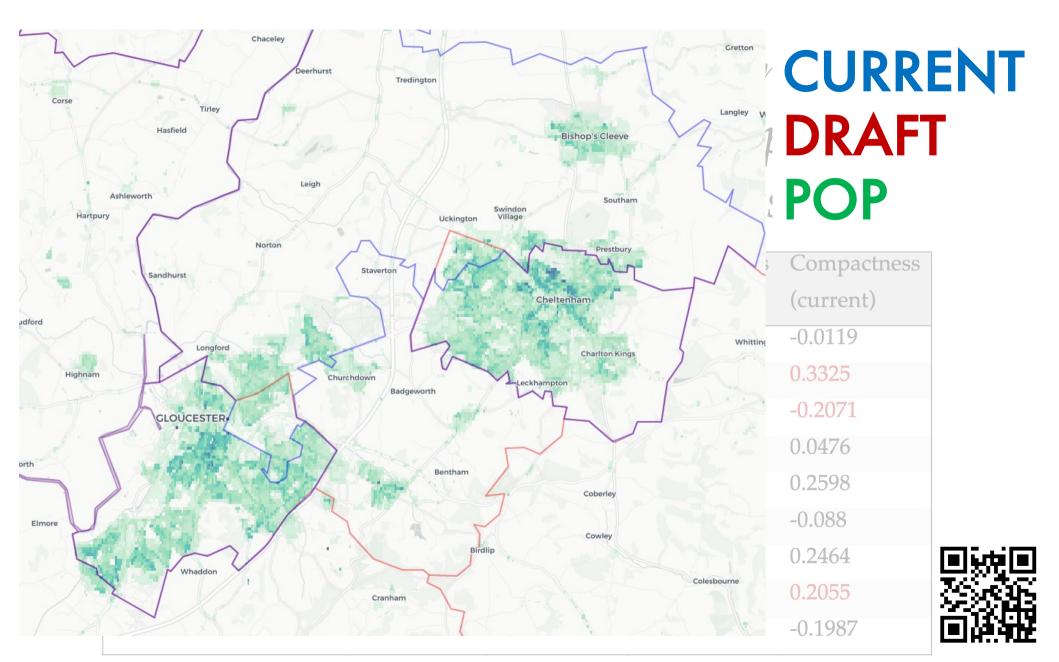
T 11 4 (42)	Smoothness	Smoothness	Compactness	Compactness
Table 1 (p. 12)	(draft)	(current)	(draft)	(current)
East Midlands	0.0302	-0.0301	0.07	-0.0119
Eastern	-0.476	-0.5038	0.2119	0.3325
London	0.6105	0.7418	-0.233	-0.2071
North East	-0.4266	0.0157	0.3022	0.0476
North West	0.3253	0.2792	0.2982	0.2598
South East	-0.0015	-0.1931	0.0569	-0.088
South West	-0.5755	-0.4041	0.2567	0.2464
West Midlands	0.3308	0.4437	-0.0097	0.2055
Yorks. & the Humber	-0.1194	-0.2497	-0.1048	-0.1987

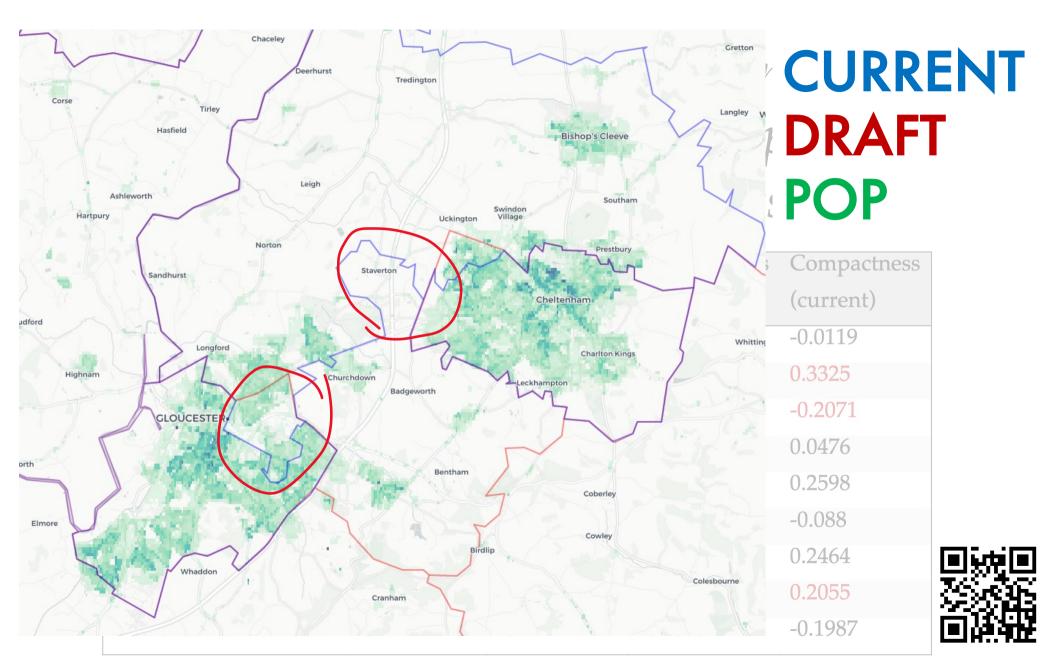


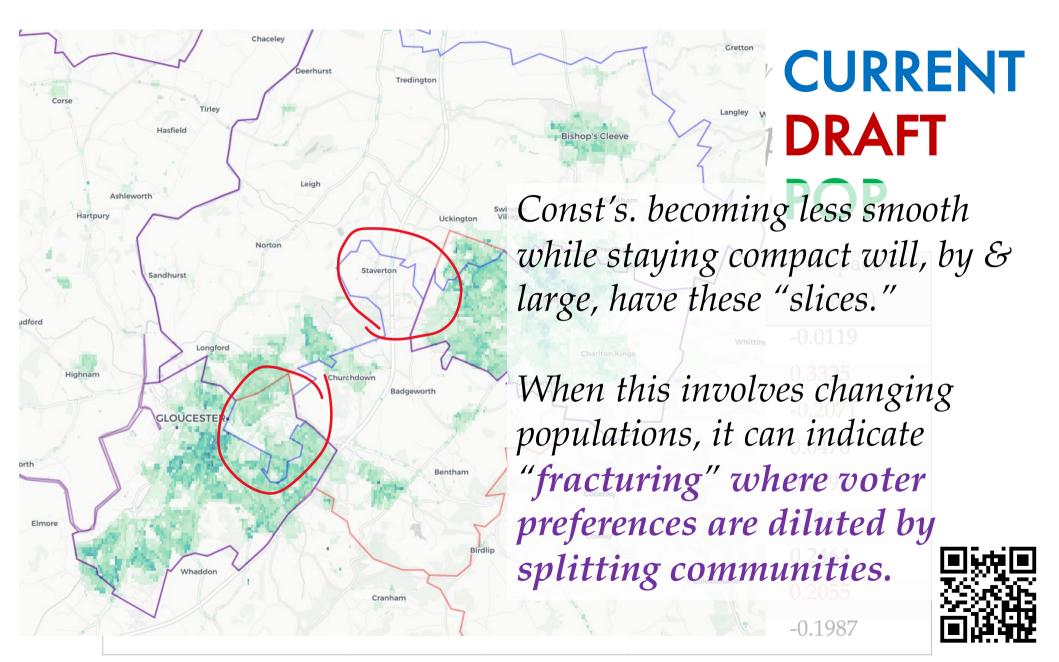
Here const's become o (7 38 " 7 il oa y-shaped and less ax 2 c npa accessible

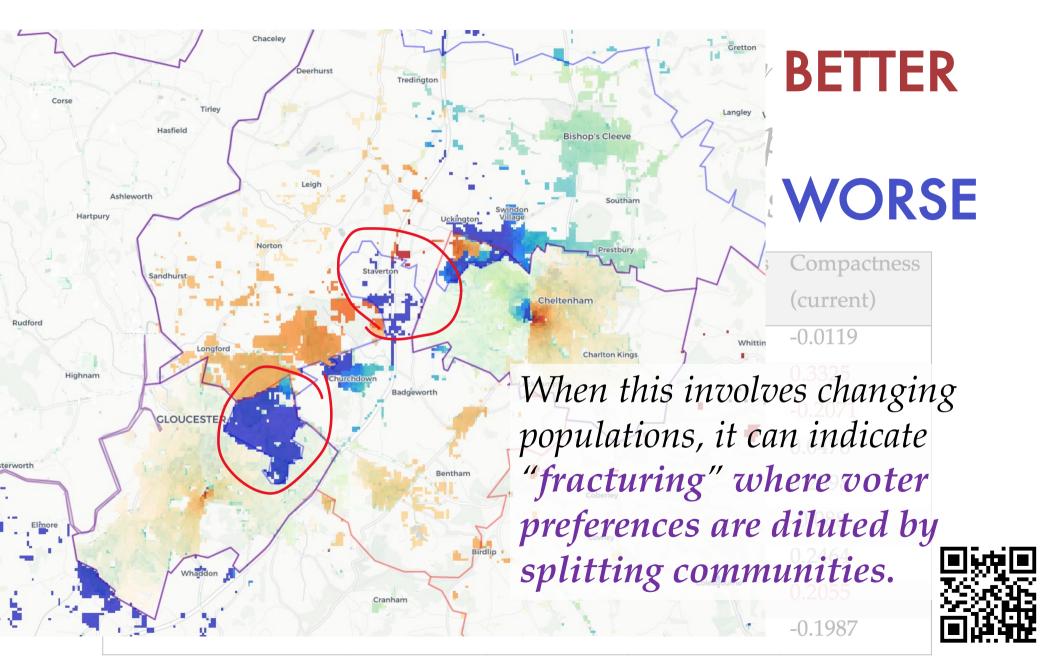
	Smoothness	Smoothness	Compactness	Compactness
<i>Table 1 (p. 12)</i>	(draft)	(current)	(draft)	(current)
East Midlands	0.0302	-0.0301	0.07	-0.0119
ern		-0.,	0	
London	0 5	0.7	-(-0.207
North Ea		0.0	0.3022	0.04
hy	0 3	0.2	0	0.2
South East	-0.0015	-0.1931	0.0569	-0.086
South West	-0.5755	-0.4041	0.2567	0.2464
West Midlands	0.3308	0.4437	-0.0097	0.2055
Yorks. & the Humber	-0.1194	-0.2497	-0.1048	-0.1987

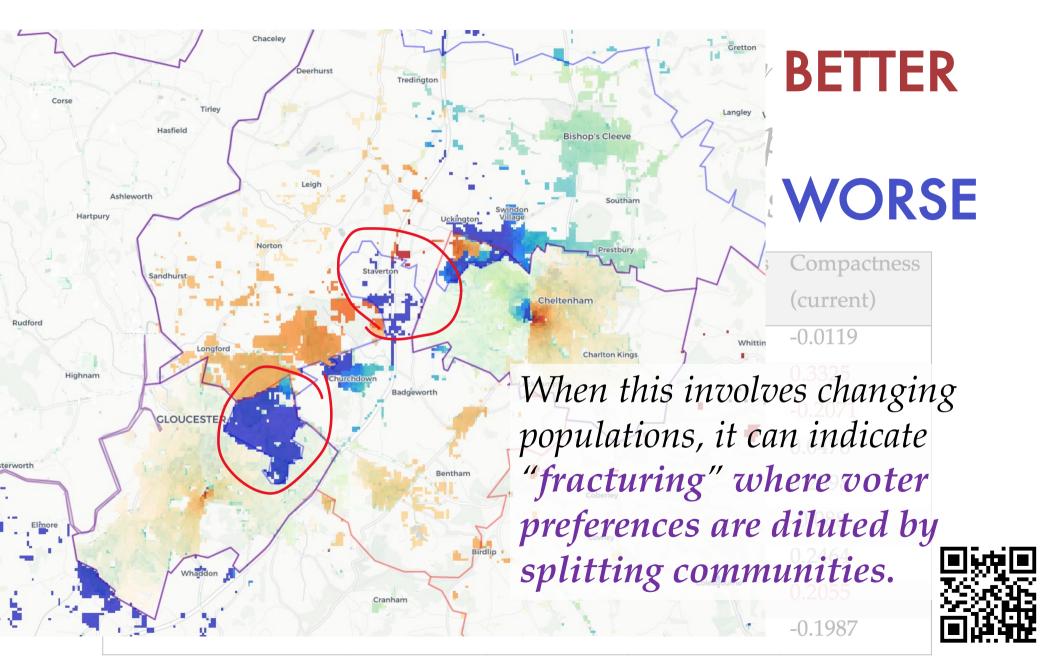


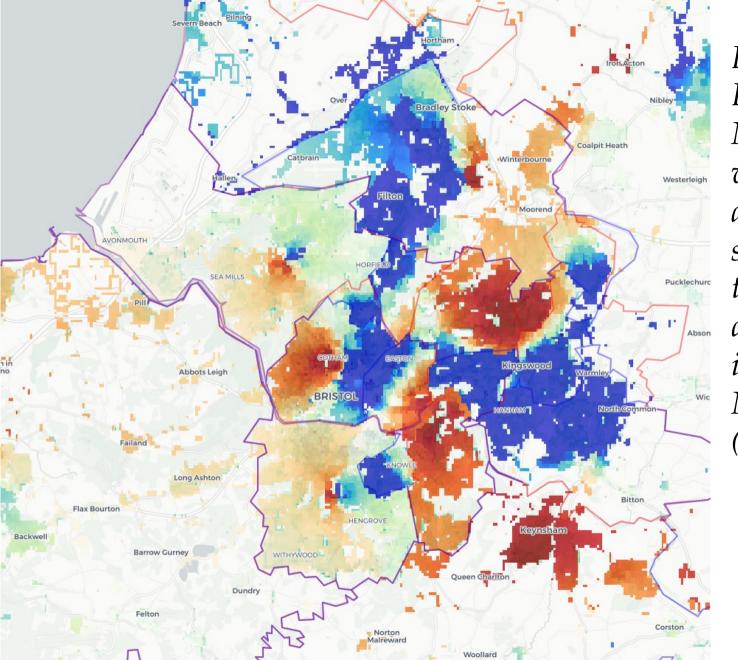












Bristol South, Bristol East, and Bristol North have much worse const. accessibility due to shifting boundaries that "pack" more deprived communities into Bristol North/North East. (p. 3)



Table 1 (p. 12)	Smoothness	Smoothness	Compactness	Compactness
	(draft)	(current)	(draft)	(current)
East Midlands	0.0302	-0.0301	0.07	-0.0119
Eastern	-0.476	-0.5038	0.2119	0.3325
London	0.6105	0.7418	-0.233	-0.2071
North East	-0.4266	0.0157	0.3022	0.0476
North West	0.3253	0.2792	0.2982	0.2598
South East	-0.0015	-0.1931	0.0569	-0.088
South West	-0.5755	-0.4041	0.2567	0.2464
West Midlands	0.3308	0.4437	-0.0097	0.2055
Yorks. & the Humber	-0.1194	-0.2497	-0.1048	-0.1987



	Smoothness	Smoothness	Compactness	Compactness
Table 1 (p. 12)	(draft)	(current)	(draft)	(current)
East Midlands	0.0302	-0.0301	0.07	-0.0119
Eastern	-0.476	-0.5038	0.2119	0.3325
London	0.6105	0.7418	-0.233	-0.2071
North East	-0.4266	0.0157	0.3022	0.0476
North West	0.3253	0.2792	0.2982	0.2598
South East	-0.0015	-0.1931	0.0569	-0.088
South West	-0.5755	-0.4041	0.2567	0.2464
West Midlands	0.3308	0.4437	-0.0097	0.2055
Yorks. & the Humber	-0.1194	-0.2497	-0.1048	-0.1987



Constituencies become oddly-shaped and less accessible

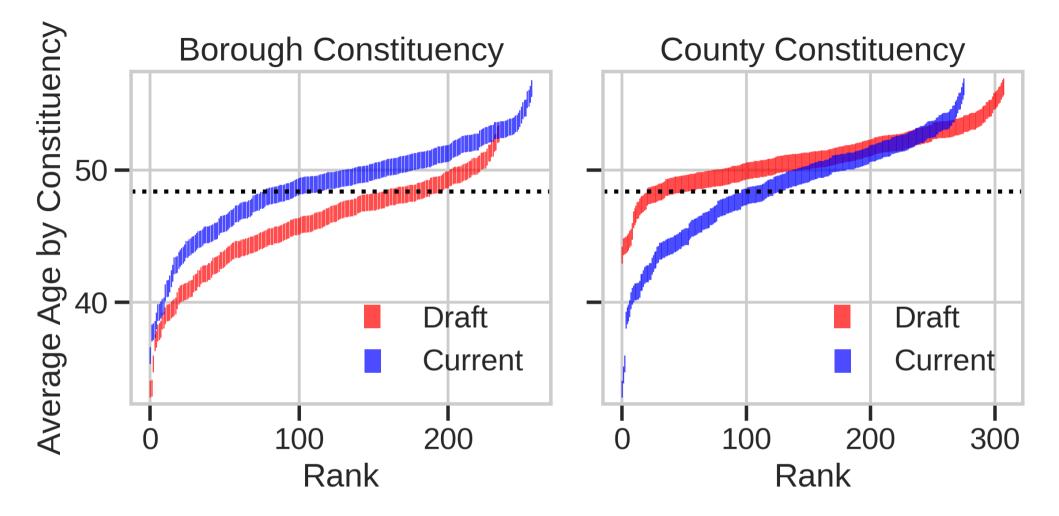
Young voters are severely disempowered



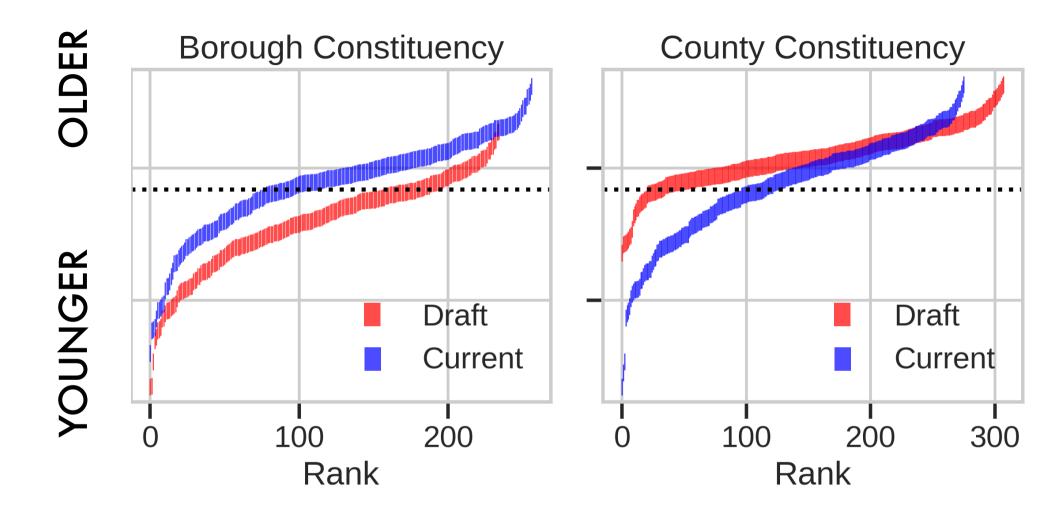
Constituencies become oddly-shaped and less accessible

Young voters are severely disempowered

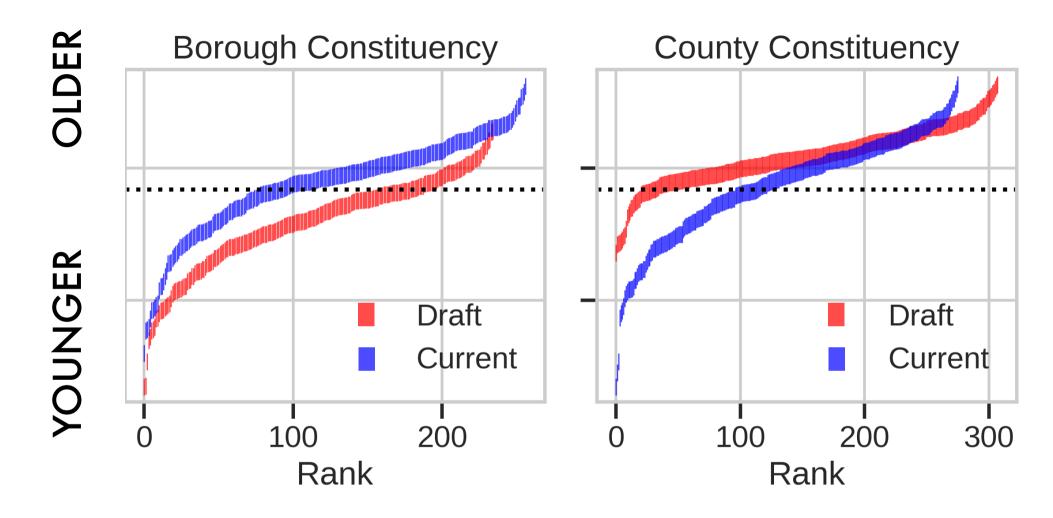












Young voters are now intensely concentrated in Borough Const's.



Constituencies become oddly-shaped and less accessible

Young voters are severely disempowered



DESIGNATION AND DENSITY

Constituencies become oddly-shaped and less accessible

Young voters are severely disempowered







"When spending limits are increased [i.e. when boroughs become counties], campaigns become more expensive [...]; the pool of candidates shrinks, and elections become less competitive; and the financial and electoral incumbency advantages are amplified." (Fouirnaies, 2021)

Counties will see fewer candidates from fewer parties run elections that favor the sitting MP.

Boroughs will see more competitive elections among more candidates that change more often.

Constituency	Draft	Current	Density	Lived Density
Bristol North West	Borough	Borough	460.27	3406.14
Peterborough	County	Borough	419.07	3647.74
Filton & Bradley Stoke	County	County	1623.60	2365.19
Hornchurch & Upminster	County	Borough	1399.53	3355.69
Hartlepool	County	Borough	723.71	2960.83
Dewsbury	Borough	County	1441.11	3362.62



Constituency	Draft	Current	Density	Lived Density
Bristol North West	Borough	Borough	460.27	3406.14
Peterborough	County	Borough	419.07	3647.74
Filton & Bradley Stoke	County	County	1623.60	2365.19
Hornchurch & Upminster	County	Borough	1399.53	3355.69
Hartlepool	County	Borough	723.71	2960.83
Dewsbury	Borough	County	1441.11	3362.62

H&U (county-to-borough) is less "urbanized" than Dewsbury (borough-to-county)...



Constituency	Draft	Current	Density	Lived Density
Bristol North West	Borough	Borough	460.27	3406.14
Peterborough	County	Borough	419.07	3647.74
Filton & Bradley Stoke	County	County	1623.60	2365.19
Hornchurch & Upminster	County	Borough	1399.53	3355.69
Hartlepool	County	Borough	723.71	2960.83
Dewsbury	Borough	County	1441.11	3362.62

H&U (county-to-borough) is less "urbanized" than Dewsbury (borough-to-county)... both are more "urban" than Hartlepool, which becomes a borough w/ little boundary change!



POPULATION PLACE & COMMUNITY

DESIGNATION AND DENSITY



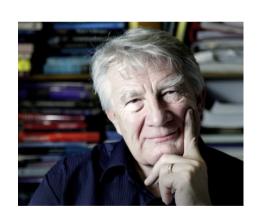
Constituencies in this plan are more oddly-shaped, and less reflective of the current population distribution, particularly at the city/country edge.

The "double bind": young voters are strongly packed into urban districts. These also have lower spending caps, more competitive elections, and stronger thirdparty competition.









[B]y replacing a situation in which opposing interests could debate their proposals and counter-proposals to one in which 'views were heard' but not challenged ... evidence presented by the interested parties was not tested in a *public forum – which may set precedents for other* situations where public consultation is considered necessary but where it is in the proposers' interests to limit its scope and potential impact. (Johnston et al. 2013)



[B]y replacing a situation in which opposing interests could debate their proposals and counter-proposals to one in which 'views were heard' but not challenged ... evidence presented by the interested parties was not tested in a *public forum – which may set precedents for other* situations where public consultation is considered necessary but where it is in the proposers' interests to limit its scope and potential impact. (Johnston et al. 2013)

WHO GETS HEARD?

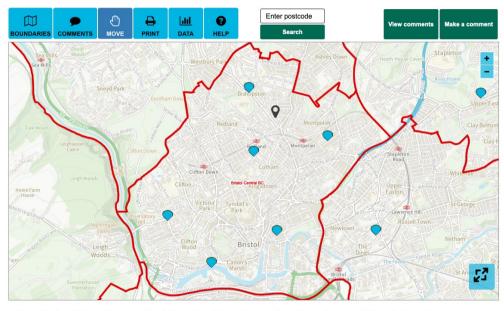


The map below displays our proposals for new constituencies in the area you searched for.

We encourage you to explore the interactive map below, viewing comments submitted by others by either clicking on the map pins for the areas you are interested in, or clicking on the 'Yiew Comments' button to browse, filter and search all responses in table form. Please then give us your views on our proposals and the responses of others through this website using the 'Make a Comment' button during a statutory consultation period. Click on the 'How to' link at the top of the page for help on how to use this interactive site. You can alternatively view our text proposal report for the region, and pdf maps, via the link under the 'Useful links' heading below the map.

The secondary consultation will run from 22 February to 4 April 2022 inclusive. Though responses to the first consultation are published before the first of those dates, please note that we cannot accept or take account of any comment or views received before or after that statutory consultation period. To book your slot to speak at a public hearing, click on our public hearings link under 'Useful links' further down this page.

© Crown copyright and database rights 2022 OS 100018289. Use of this data is subject to terms and conditions. @



The boundaries and the name labels in the wards, existing and proposed constituency layers are visible only at a certain zoom level. Please zoom in to see all the information on these layers.



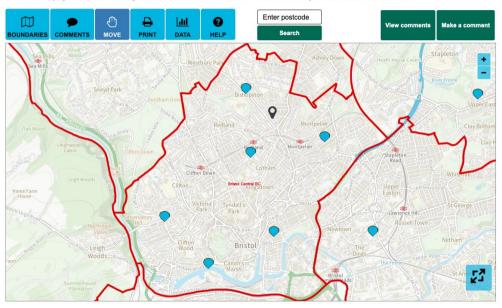


The map below displays our proposals for new constituencies in the area you searched for.

We encourage you to explore the interactive map below, viewing comments submitted by others by either clicking on the map pins for the areas you are interested in, or clicking on the 'View Comments' button to browse, filter and search all responses in table form. Please then give us your views on our proposals and the responses of others through this website using the 'Make a Comment' button during a statutory consultation period. Click on the 'How to' link at the top of the page for help on how to use this interactive site. You can alternatively view our text proposal report for the region, and pdf maps, via the link under the 'Useful links' heading below the map.

The secondary consultation will run from 22 February to 4 April 2022 inclusive. Though responses to the first consultation are published before the first of those dates, please note that we cannot accept or take account of any comment or views received before or after that statutory consultation period. To book your slot to speak at a public hearing, click on our public hearings link under 'Useful links' further down this page.

© Crown copyright and database rights 2022 OS 100018289. Use of this data is subject to terms and conditions. @



The boundaries and the name labels in the wards, existing and proposed constituency layers are visible only at a certain zoom level. Please zoom in to see all the information on these layers.







We can build a better map

DistrictBuilder puts the power of drawing electoral maps in the hands of the people. Redistricting can be a transparent process that represents communities fairly and prevents gerrymandering.

"Feedforward"



	Meeting Minutes (pdf)			11.20.21 Kykotsmovi Comment Cards 11.20.2021 Unofficial Transcript		Florence Sign In Sheets 11.13.21 Florence Comment Cards 11.13.21	
Commission Meeting Thursday, December 16, 2021 - 09:00	Agenda 12.16.21 Decision Meeting Unofficial Transcript AM 12.16.21 Decision Meeting Unofficial Transcript PM.	Submitted Comments		Meeting Minutes (Audio)		Meeting Minutes (Audio)	
2021 - 09,00	Meeting Minutes (Audio) Meeting Minutes (pdf)		Commission Meeting Friday, November 19, 2021 -12:00	Agenda 11.19,21 Unofficial Transcript	Commission Meeting Friday, November 12, 2021 -12:00	Agenda 11.12.21 Unofficial Transcript Meeting Minutes (Audio)	
Commission Meeting Monday, December 13, 2021 - 08:30	Agenda 12.13.21 Decision Meeting Unofficial Transcript Meeting Minutes (Audio) Meeting Minutes (pdf)	Submitted Comments	Commission Meeting Thursday, November 18,		Commission Meeting Wednesday, November 10, 2021 - 18:00	Agenda 11.10.21 Unofficial Transcript Flagstaff Testimony 11.10.21 Flagstaff Sign in Sheets 11.10.21	
Commission Meeting Thursday, December 9, 2021 - 09:00	Agenda 12.09.21 Decision Meeting Unofficial Transcript AM 12.09.21 Decision Meeting Unofficial Transcript PM Meeting Minutes (Audio)	<u>Submitted Comments</u>				Flagstaff Comment Cards 11.10.21 Yuma Testimony 11.10.21 Yuma Sign in Sheets 11.10.21 Meeting Minutes (Audio)	
Commission Meeting Monday, December 6, 2021 -09:00	Meeting Minutes (pdf) Agenda 12. 06.21 Decision Meeting Unofficial Transcript AM 12.06.21 Decision Meeting Unofficial Transcript PM	Submitted Comments	Commission Meeting Wednesday, November 17, 2021 - 18:00	Meeting Minutes (Audio) Agenda 11.17.21 Unofficial Transcript 11.17.21 Sun City Testimony 11.17.21 Sun City Sign In Sheets	Commission Meeting Tuesday, November 9, 2021 - 08:00	Agenda 1:09-2021 Unofficial Transcript Meeting Minutes (Audio) Meeting Minutes (pdf)	
Commission Meeting Saturday, December 4, 2021 - 10:00 D 12 12 12 12 12 12 12 12 12 12 12 12 12	Meeting Minutes (Audio) Meeting Minutes (pdf) Agenda 12.04.21 Tueson Comment Cards Tueson 12.04.21 Testimony Part I 12.04.21 Maryvale Sign In Sheets 12.04.21 Maryvale Comment Cards 12.04.21 Maryvale Testimony Part I 12.04.21 Maryvale Testimony Parts 12.04.21 Listenting Tour Unofficial Transcript		11.17.21 Sun City Comment Cards 11.17.21 San Carlos Sign In Sheets 11.17.21 San Carlos Comment Cards 11.17.21 Wickenburg Testimony 11.17.21 Wickenburg Sign In Sheets	Commission Meeting Saturday, November 6, 2021 - 10:00	Agenda Virtual Town Hall 11.06.21 IRC Virtual Town Hall Unofficial Transcript Meeting Minutes (Audio)		
			Commission Meeting Tuesday, November 16, 2021 - 18:00	Meeting Minutes (Audio) Agenda 11.16.21 Unofficial Transcript 11.16.21 Cottonwood Testimony 11.16.21 Cottonwood Comment Cards 11.16.21 Cottonwood Comment Cards 11.16.21 N. Phx Testimony 11.16.21 N. Phx Sign In Sheets 11.16.21 N. Phx Sign In Sheets 11.16.21 N. Phx Sign In Sheets	Commission Meeting Friday, October 29, 2021 - 88:00 Canceled	Agenda	
					Commission Meeting Thursday, October 28, 2021 - 09:30	Agenda Subm 10-28-21 Public Hearing Unofficial Morning Transcript 10-28-21 Public Hearing Unofficial Afternoon Transcript Meeting Minutes (Audio) Meeting Minutes (pdf)	Submitted Comments
	Meeting Minutes (Audio)			Meeting Minutes (Audio)			
λA	12.04.21 Maryvale Testimony Part6 12.04.21 Maryvale Testimony Part7 12.04.21 Listenting Tour Unofficial Transcript Meeting Minutes (Audio)	nartic	rinato	11.16.21 N. Phx Testimony 11.16.21 N. Phx Sign In Sheets 11.16.21 N. Phx Comment Cards		Meeting Minutes (pdf)	

Commission Meeting

2021 - 10:00

Saturday, November 13,

11.13.21 Unofficial Transcript

S. Phoenix Testimony 11 13 21

S. Phx Sign In Sheets 11.13.21

S. Phx Comment Cards 11.13.21

Florence Sign In Sheets 11.13.21

Commission Meeting

Friday, December 17, 2021

12.17.21 Decision Meeting Unofficial Transcript AM

Meeting Minutes (Audio)

Meeting Minutes (pdf)

12.17.21 Decision Meeting Unofficial Transcript PM

Submitted Comments

Commission Meeting

Saturday, November 20,

11.20.21 Prescott Valley Testimony

11.20.21 Prescott Valley Sign In Sheets

11.20.21 Kykotsmovie Sign In Sheets

11.20.21 Prescott Valley Comment Cards

OTIX participatory miceritize where mape drawn, discussed, and revised in public with, party, Interest, and community groups in attendance.



MAKE



MATTER

makevotesmatter.org.uk

(Multi-Member) **Proportional Representation** for historic/culturally significant regions





AGE **ACCESS** & ADVOCACY

Analyzing the BCE 2023

Quantitative Spatial Sciences Lab University of Bristol

