IN THE UNITED STATES DISTRICT COURT
EASTERN DISTRICT OF VIRGINIA
RICHMOND DIVISION

GOLDEN BETHUNE-HILL, *et al.*,
 	
          Plaintiffs,
 	
     v.
 	
VIRGINIA STATE BOARD OF ELECTIONS, *et al.*,
 	
          Defendants.
	Civil Action No. 3:14-cv-00852-REP-AWA-BMK

**PLAINTIFFS' MEMORANDUM IN SUPPORT
OF THEIR PROPOSED REMEDIAL PLANS**

TABLE OF CONTENTS

I.   **INTRODUCTION**

Plaintiffs respectfully submit this memorandum in support of their proposed remedial

plans pursuant to the Court's Order dated October 19, 2018 (Dkt. No. 278). The plans—

labeled Plaintiffs' Remedial Plan A ("Plan A") and Plaintiffs' Remedial Plan B ("Plan B")—

are attached to the accompanying Declaration of Kevin J. Hamilton.[1]

Given the number of districts at issue and the strict 1% population equality standard

utilized by the General Assembly—which Plaintiffs follow here—there is admittedly no

single and perfect solution to the racial gerrymander of Districts 63, 69, 70, 71, 74, 77, 80,

89, 90, 92, and 95 (the "Challenged Districts"). Plaintiffs offer two remedial maps that are

broadly similar, but which tackle the challenge of redressing the baseless application of the

55% Black Voting Age Population ("BVAP") rule to the Challenged Districts in a handful of

different ways.

Both proposed remedial plans cure the unconstitutional racial gerrymander of the

Challenged Districts and rebalance the population of affected house districts while respecting

traditional redistricting criteria. Plaintiffs' remedial plans are both more compact than the

existing plan and split far fewer political subdivisions. The ease with which the Challenged

Districts and the surrounding districts can be redrawn in more sensible configurations

illustrates the unnecessary lengths to which the General Assembly went to enforce the

mandatory 55% BVAP floor in the Challenged Districts in the first place. For all the reasons

stated below, Plaintiffs respectfully ask the Court to adopt one of their proposed remedial

plans.[2]

---

[1] Plaintiffs have separately filed with the Court hard copies of Plaintiffs' proposed remedial maps with accompanying data files.

[2] Plaintiffs do not have a strong preference between the two alternatives. The primary difference between the two proposed plans is set out on page 3 *infra*.

II.   BACKGROUND

Following a second bench trial in this matter on remand from the United States Supreme Court, on June 26, 2018, the Court found in Plaintiffs' favor on the merits of their claim that Virginia's current house legislative districting plan violates the equal protection clause of the Fourteenth Amendment to the United States Constitution. Dkt. Nos. 234, 235. Accordingly, the Court ordered that the "Commonwealth of Virginia is hereby enjoined from conducting any elections after [June 26, 2018] for the office of Delegate in the Commonwealth's House of Delegates in the Challenged Districts until a new redistricting plan is adopted." Dkt. No. 235. The Court gave the political branches until October 30, 2018, to adopt a new remedial plan, although it instructed "[t]he Virginia General Assembly . . . to exercise this jurisdiction as expeditiously as possible." *Id.*

After the General Assembly failed to adopt a new districting plan by this deadline,[3] the Court ordered the parties to submit proposed remedial plans no later than November 2, 2018. *See* Dkt. No. 278.

III.   ARGUMENT

Accompanying this memorandum, Plaintiffs provide the Court with their proposed remedial plans, maps of Plaintiffs' proposed versions of the Challenged Districts and surrounding environs, and reports of the basic demographic details of Plaintiffs' proposals.

As explained below, Plaintiffs' plans cure the fundamental constitutional deficiency in the existing plan (the "Enacted Plan")—the baseless application of a flat 55% BVAP floor to the various and varied Challenged Districts regardless of their unique geography, communities, and electoral history. Plaintiffs' remedial plans preserve the structure of the Enacted Plan, but are superior to the Enacted Plan with respect to every objective metric. The remedial plans' versions of the Challenged Districts are more compact and split fewer political subdivisions than the Enacted Plan. By following traditional districting principles,

---

[3] Intervenors informed the Court on October 5, 2018, of their view that the political branches would be unable to adopt a remedial plan. *See* Dkt. No. 275-1.

Plaintiffs' remedial plans thus unravel the unconstitutional racial gerrymander while preserving the voting rights of African-American voters.

The major difference between Plaintiffs' proposed Plan A and Plan B is in the treatment of Charles City County. At present, Charles City County is part of an elongated District 74 that stretches through a thin strip of Henrico County down to Charles City County to sweep in sufficient BVAP to meet the 55% BVAP rule. Remedying District 74 is best done by drawing a more compact district centered in Henrico. That leaves Charles City County in need of a new home.

Plaintiffs offer two alternatives. In Plan A, Plaintiffs move Charles City County into District 62. In Plan B, Plaintiffs move Charles City County into District 70. Each option impacts the nearby Richmond-centered districts in different ways. Briefly stated, Plan A keeps District 70 centered in Richmond City County and Henrico County, but requires a greater split of Henrico County and other alterations of Richmond area districts for population equality reasons, whereas Plan B results in District 70 expanding further to the east but requires a less significant split of Henrico County. Both approaches are reasonable— and provide an effective remedy—but require different tradeoffs. Accordingly, Plaintiffs present both for the Special Master's and the Court's consideration.

A.   **The Court Need Not—and Should Not—Defer to Proposed Remedial Plans Presented by Either Defendants or Intervenors**

In taking up the task of creating a constitutional districting plan, it is important to note at the outset that the Court has no constitutional plan before it that has been duly adopted by the political branches in Virginia. In response to the Court's Memorandum Opinion, the General Assembly did not adopt (or even hold a floor vote on) a remedial plan. Had the political branches adopted a remedial plan themselves, the task before the Court would be quite different. In that instance, the Court would likely have deferred to the map duly adopted under Virginia law. But here the political branches failed to adopt a new map manifesting

3

their judgment on the configuration of Virginia's legislative districts in the absence of an unconstitutional racial gerrymander of the Challenged Districts.

The Court therefore has no proposed remedial plan before it that is entitled to the Court's deference. The Enacted Plan is, as the Court has found, unconstitutional and so must be remedied. *See Abrams v. Johnson*, 521 U.S. 74, 85-86 (1997) (adopted redistricting plan "is not owed . . . deference to the extent the plan subordinated traditional districting principles to racial considerations" because "courts [are] to correct—not follow— constitutional defects in districting plans").

This said, in drafting their remedial plan, Plaintiffs have still sought to minimize the impact of redistricting on the existing districts. *See Personhuballah v. Alcorn*, 155 F. Supp. 3d 552, 563 (E.D. Va. 2016) (adopting remedy that altered five of eleven congressional districts and noting that the plan would "not alter any districts outside of the Third District and those abutting it, but may make substantial changes to those districts"). Plaintiffs have therefore focused alterations to the Enacted Plan to the Challenged Districts and surrounding districts to the extent possible.

B.   Plaintiffs' Proposed Remedial Plans Fix the General Assembly's Racial Gerrymander of the Challenged Districts

Plaintiffs' proposed remedial plans achieve the primary objective of the remedial phase of this litigation—curing the unconstitutional racial gerrymander of the Challenged Districts identified by the Court.

As set out in detail in the Memorandum Opinion, the enacted versions of the Challenged Districts were drawn with race as the predominant factor. What that meant for each individual Challenged District varied. As the Court notes, some Challenged Districts were used as "donor" districts, with BVAP siphoned off to bolster the BVAP in "recipient" districts that otherwise may have fallen short of the 55% BVAP floor. Thus, in some instances, a district was drawn to unite far-flung African-American communities, which

4

explains, for example, the unusual shape of District 95. *See* Dkt. No. 234 ("Mem. Op.") at 54-55. In other cases, the record shows that the general configuration of a given district (and thus the surrounding districts) was driven by racial considerations, such as Delegate Jones' acknowledgment that the "eastward move [of District 71] into District 70 was required to ensure that District 71 had sufficient BVAP to meet the 55% number." *Id.* at 40. Likewise, the record reflected that the borders between districts were drawn to split political subdivisions to achieve the General Assembly's racial ends. *See, e.g.*, *id.* at 21-22. This explains why the Challenged Districts as a whole split more political subdivisions than the non-Challenged Districts and contributed to the majority of splits in surrounding districts. *See, e.g.*, *id.* at 22-23.

To address these issues in the configuration of the Challenged Districts, Plaintiffs followed the basic approach that Special Master Dr. Bernard Grofman followed in the *Personhubbalah* litigation. *See Personhuballah v. Wittman*, No. 3:13-cv-00678, Report of the Special Master, Dkt. No. 272 (Nov. 15, 2015). That is, rather than using race as the predominant factor (as under the Enacted Plan), Plaintiffs' remedial maps were drawn "according to good government criteria." *Id.* at 3. Plaintiffs then—like Dr. Grofman did in *Personhubbalah*—did basic backstopping of the resulting maps by ensuring the resulting maps were non-retrogressive and making adjustments to maintain the residences of present incumbents in their districts. *Personhuballah v. Wittman*, No. 3:13-cv-00678, Supplemental Comments to the Report of the Special Master, Dkt. No. 294 at 4-5, 15 (Dec. 11, 2015).[4]

The merits of this approach are evident in the results. Indeed, Plaintiffs' proposed remedial plans are superior to the Enacted Plan in every meaningful respect. As explained below, Plaintiffs split markedly fewer political subdivisions, and they improve the compactness of the Challenged Districts significantly.

---

[4] To the best of Plaintiffs' knowledge, based on address information they were able to locate, Plaintiffs' proposed plans do not pair incumbents or draw incumbents out of their existing districts.

5

The natural consequence of doing so was, generally speaking, to lower the BVAP in various Challenged Districts where the BVAP had been artificially inflated through application of the across-the-board 55% BVAP floor. While the BVAP of all but one district in each plan has been reduced, *see* Hamilton Decl., Ex. C, H,[5] this approach also avoids retrogression in the ability of African Americans to elect candidates of choice. As reflected in Dr. Palmer's analysis, as credited and explicated by the Court in its Opinion, 55% BVAP was not remotely necessary "in order for black voters to be able to elect their preferred candidates" in any of the Challenged Districts. Mem. Op. at 88. Indeed, even a 45% BVAP would have resulted in victory for African-American preferred candidates in all 11 Challenged Districts ranging from 59.4% to 81% of the vote. *Id.* Plaintiffs' proposed plans do not result in a BVAP lower than 46% in any Challenged District, Ex. C, H, meaning that African-American preferred candidates can be expected to win each of these districts by a supermajority or more.

District	Current District BVAP	Plaintiffs' Plan A BVAP	Plaintiffs' Plan B BVAP
63	60.1%	56.2%	56.2%
69	55.9%	51.4%	50.0%
70	57.1%	59.2%	54.8%
71	56.1%	51.6%	51.6%
74	57.9%	52.9%	59.6%
77	59.4%	47.6%	47.6%
80	57.0%	52.5%	52.5%

[5] In Plaintiffs' Plan A, the BVAP of District 70 increases modestly. The same is true of District 74 in Plaintiffs' Plan B. Both District 70 and District 74 were used as "donor" districts in the Enacted Plan, Mem. Op. 37, and so it is not surprising that in remedying the existing racial gerrymander by following traditional districting principles, these districts increased in BVAP under some plan configurations.

District	Current District BVAP	Plaintiffs' Plan A BVAP	Plaintiffs' Plan B BVAP
89	56.2%	52.4%	52.4%
90	57.5%	46.1%	46.1%
92	61.9%	59.3%	59.3%
95	61.2%	50.2%	50.2%

As further explained below (and reflected in the maps submitted along with this brief), Plaintiffs unraveled the racial gerrymander of the Challenged Districts by uniting political subdivisions that were split in the Enacted Plan and otherwise adhering to traditional districting principles. Plaintiffs did not seek to adhere to a BVAP target or floor in redrawing the Challenged Districts. Indeed, Plaintiffs' plans demonstrate that no such racial threshold was necessary to maintain African-American voting strength in the Challenged Districts.

C.   Plaintiffs' Proposed Remedial Plans Achieve Population Equality

The ideal population for each Virginia House district following the 2010 census is 80,010 persons. Plaintiffs' proposed districts are of equal population, with no more than +1% or -1% variance between districts. *See* Hamilton Decl., Ex. C, H.

D.   Plaintiffs' Proposed Remedial Plans Better Adhere to Traditional Redistricting Criteria Than the Enacted Plan

1.   Plaintiffs' Remedial Plans Reflect Greater Respect for Political Subdivisions than the Enacted Plan

Plaintiffs' proposed remedial plans substantially reduce the number of split political subdivisions in both the Challenged Districts and the map as a whole.

The Challenged Districts used artful political subdivision splits as a key mechanism for achieving its racial aims. *See, e.g.*, Mem. Op. at 22-24. In comparison to the Enacted Plan, Plaintiffs' proposed remedial plans make marked improvements:

	Enacted Plan	Plaintiffs' Plan A	Plaintiffs' Plan B
# of split counties	59	**51**	52
Total county splits	197	**173**	174
# of split VTDs	116	**82**	82
Total VTD splits	236	166	**165**

See Hamilton Decl., Ex. E, J (Split Political Subdivisions Report for Plan A and B). Plaintiffs' proposed plans are a substantial improvement over the Enacted Plan, even though Plaintiffs limited changes to the Challenged Districts and surrounding districts.

Thus, Plaintiffs' remedial plans manifest a greater respect for political subdivisions than the Enacted Plan. This is not surprising. Because the General Assembly used race as the predominant consideration in drawing the Challenged Districts, it paid little heed to political boundaries when drawing the Challenged Districts. Ignoring political subdivisions was one of the primary ways the General Assembly was able to meet the 55% BVAP floor in each Challenged District. In "unwinding" this racial gerrymander fully, Plaintiffs' proposed plans include districts that more closely follow Virginia's geographic and political contours, even without making radical changes to the existing plan.

2.   Plaintiffs' Remedial Plans Create Compact Districts

The proof of the General Assembly's predominant use of race was also found in the unusual configuration of many of the Challenged Districts. From the way District 95 snaked up the Peninsula to sweep in African-American voters to the way District 80 wove its way through the South Hampton Roads region, the General Assembly disregarded traditional redistricting principles in service of its racial aims.

8

In restructuring the Challenged Districts, Plaintiffs improved their compactness. Indeed, with a handful of exceptions, their remedial plans either match or improve the compactness of every Challenged District. *See* Hamilton Decl., Ex. D, I (Measure of Compactness Reports for Plan A and Plan B).

Plaintiffs provide a comparison of the compactness of their proposed remedial plans and the Enacted Plan using three common compactness measures. The Reock test compares each district to an ideal circle (considering the circle the best and most compact shape possible) and computes the ratio of the area of the district to the minimum area of a circle sufficiently large to encompass the district. The Polsby-Popper test compares the ratio of a district's area with the area of a circle sharing the same perimeter. Under these two measures, a larger number means the district is more compact. The Schwarzberg measure compares the ratio of the perimeter of the district to the perimeter of a circle of an equal area to that of the district. Under this measure, a smaller number means the district is more compact.

Taken as a whole, and even given the constraint of limiting changes to the Challenged Districts and their immediate environs, Plaintiffs' proposed remedial plans match or improve on the compactness of the Enacted Plan under each of the three measures. The bolded number shows the most compact plan(s):

Plan	Mean Reock	Mean Polsby-Popper	Mean Schwarzberg
Plaintiffs' Plan A	**0.37**	**.26**	**1.89**
Plaintiffs' Plan B	0.36	**.26**	1.90
Enacted	0.36	.24	2.00

The superior compactness of Plaintiffs' remedial plans manifests more clearly on a district-by-district comparison of the Challenged Districts. In all but two instances, Plaintiffs' iterations of the Challenged Districts are superior. The measurement in bold again reflects, as to each district, which iteration of the Challenged District is most compact:

District	Reock		Polsby-Popper		Schwartzberg	
	Enacted	**Plaintiffs**	**Enacted**	**Plaintiffs**	**Enacted**	**Plaintiffs**
63	.25	Plan A: **.59** Plan B: **.59**	.16	Plan A: **.51** Plan B: **.51**	2.31	Plan A: **1.27** Plan B: **1.27**
69	**.52**	Plan A: .46 Plan B: .46	.34	Plan A: .35 Plan B: **.37**	1.68	Plan A: 1.65 Plan B: **1.60**
70	.40	Plan A: **.41** Plan B: .30	.19	Plan A: .19 Plan B: **.20**	2.19	Plan A: 2.16 Plan B: **1.78**
71	.33	Plan A: **.38** Plan B: **.38**	.24	Plan A: **.30** Plan B: .29	1.99	Plan A: **1.76** Plan B: 1.78
74	.16	Plan A: **.26** Plan B: .21	.12	Plan A: **.22** Plan B: **.22**	2.26	Plan A: 1.96 Plan B: **1.93**
77	.19	Plan A: **.26** Plan B: **.26**	.15	Plan A: **.25** Plan B: **.25**	2.49	Plan A: **1.99** Plan B: **1.99**
80	.26	Plan A: **.39** Plan B: **.39**	.11	Plan A: **.28** Plan B: **.28**	2.92	Plan A: **1.85** Plan B: **1.85**
89	.40	Plan A: **.50** Plan B: **.50**	.20	Plan A: **.43** Plan B: **.43**	2.21	Plan A: **1.47** Plan B: **1.47**
90	.46	Plan A: **.48** Plan B: **.48**	.20	Plan A: **.46** Plan B: **.46**	2.17	Plan A: **1.44** Plan B: **1.44**
92	**.34**	Plan A: .32 Plan B: .32	.26	Plan A: **.31** Plan B: **.31**	1.89	Plan A: **1.74** Plan B: **1.74**
95	.14	Plan A: **.25** Plan B: **.25**	.14	Plan A: **.34** Plan B: **.34**	2.61	Plan A: **1.69** Plan B: **1.69**
Average	.31	Plan A: **.39** Plan B: .38	.19	Plan A: **.33** Plan B: **.33**	2.25	Plan A: 1.73 Plan B: **1.69**

In sum, in the course of curing the constitutional deficiencies of the Challenged Districts and making necessary adjustments to re-achieve population equality, Plaintiffs were able to improve the compactness of the Challenged Districts and the House map as a whole. Had Plaintiffs departed more freely from the contours of the existing districts, they could have improved the compactness of the districts even further.[6]

---

[6] The same is true with regard to the final adjustments Plaintiffs made to their Plans to ensure that incumbents were not drawn out of their districts. For example, Plaintiffs found it necessary to split additional VTDs in District 70 and 89 for this purpose. In doing so, Plaintiffs followed the methodology used by Special Master Grofman in *Personhuballah*. *See supra* at 5.

IV.   CONCLUSION

For the reasons stated above, Plaintiffs respectfully request that the Court adopt either Plaintiffs' proposed Plan A or Plan B. Both remedial plans clearly and cleanly fix the unconstitutional racial gerrymander of the Challenged Districts. Moreover, though Plaintiffs did not perform radical surgery on other districts, they were still able to improve the objective characteristics of the map in the course of tweaking districts to achieve population equality. Plaintiffs therefore submit that their proposed remedial plans fairly and adequately remedy the unconstitutional gerrymander of the Challenged Districts.

Dated: November 2, 2018   Respectfully submitted,

By: */s/ Aria C. Branch*
Marc Erik Elias (admitted *pro hac vice*)
Bruce V. Spiva (admitted *pro hac vice*)
Aria Branch (VSB No. 83682)
PERKINS COIE LLP
700 Thirteenth Street, N.W., Suite 600
Washington, D.C. 20005-3960
Telephone: 202.434.1627
Facsimile: 202.654.9106

Kevin J. Hamilton (admitted *pro hac vice*)
Abha Khanna (admitted *pro hac vice*)
Ryan Spear (admitted *pro hac vice*)
William B. Stafford (admitted *pro hac vice*)
PERKINS COIE LLP
1201 Third Avenue, Suite 4900
Seattle, WA 98101-3099
Telephone: 206.359.8000
Facsimile: 206.359.9000

Attorneys for Plaintiffs

CERTIFICATE OF SERVICE

I hereby certify that on the 2nd day of November, 2018, I filed the foregoing with the Clerk of Court using the CM/ECF system, which will then send a notification of such filing to the counsel of record in this case.

**IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF VIRGINIA
RICHMOND DIVISION**

GOLDEN BETHUNE-HILL, *et al.*,
 	
                Plaintiffs,
 	
        v.
 	
VIRGINIA STATE BOARD OF ELECTIONS, et al.,
 	
                Defendants.
 	
VIRGINIA HOUSE OF DELEGATES, et al.,
 	
                Intervenor-Defendants.
	Civil Action No. 3:14-cv-00852-REP-GBL-BMK

DECLARATION OF KEVIN J. HAMILTON

I, Kevin J. Hamilton, state that I have personal knowledge of the matters set forth in this declaration and, if sworn as a witness, would testify as follows:

1.   I am an attorney practicing at the firm of Perkins Coie LLP and served as a lead counsel for the plaintiffs in this matter.

2.   Attached as Exhibit A is a true and correct copy of region maps for the Richmond, Tri-City, South Hampton Roads, and North Hampton Roads regions in Plaintiffs' Remedial Plan A.

3.   Attached as Exhibit B is a true and correct copy of maps of each of the Challenged Districts in Plaintiffs' Remedial Plan A.

4.   Attached as Exhibit C is a true and correct copy of a Population Summary and Voting Age Population Summary for Plaintiffs' Remedial Plan A.

5.   Attached as Exhibit D is a true and correct copy of a Measures of Compactness report for Plaintiffs' Remedial Plan A.

6.   Attached as Exhibit E is a true and correct copy of a Political Subdivisions Split Between Districts report for Plaintiffs' Remedial Plan A.

7.   Attached as Exhibit F is a true and correct copy of region maps for the Richmond, Tri-City, South Hampton Roads, and North Hampton Roads regions in Plaintiffs' Remedial Plan B.

8.   Attached as Exhibit G is a true and correct copy of maps of each of the Challenged Districts in Plaintiffs' Remedial Plan B.

9.   Attached as Exhibit H is a true and correct copy of a Population Summary and Voting Age Population Summary for Plaintiffs' Remedial Plan B.

10.   Attached as Exhibit I is a true and correct copy of a Measures of Compactness report for Plaintiffs' Remedial Plan B.

11.   Attached as Exhibit J is a true and correct copy of a Political Subdivisions Split Between Districts report for Plaintiffs' Remedial Plan B.

I declare under penalty of perjury that the foregoing statements are true and correct.

Executed this 2nd day of November, 2018 in Philadelphia, Pennsylvania.

_____

Kevin J. Hamilton

CERTIFICATE OF SERVICE

I hereby certify that on the 2nd day of November, 2018, I electronically filed the foregoing with

the Clerk of the Court using the CM/ECF system, which will send a copy to counsel of record.

/s/ *Aria Branch*
ARIA BRANCH

EXHIBIT A

DECLARATION OF KEVIN J. HAMILTON

Plaintiffs' Remedial Plan A

James City

York   096

093

Poquoson City

091

094   Newport News City

Northampt

Hampton City

092

095

Isle of Wight

100

Virginia Beach City

064   079   Norfolk City   08

Plaintiffs' Remedial Plan A

Plaintiffs' Remedial Plan A

092

Newport News City

Hampton City

064

100

Isle of Wight

079

082

Norfolk City

076

089

083

090

Suffolk City

085

Portsmouth City

Virginia Beach City

080

084

077

021

Chesapeake City

081

078

Plaintiffs' Remedial Plan A

EXHIBIT B

DECLARATION OF KEVIN J. HAMILTON

Plaintiffs' Remedial Plan A

Plaintiffs' Remedial Plan A

Plaintiffs' Remedial Plan A

Plaintiffs' Remedial Plan A

Plaintiffs' Remedial Plan A

Plaintiffs' Remedial Plan A

Plaintiffs' Remedial Plan A

Plaintiffs' Remedial Plan A

Plaintiffs' Remedial Plan A

EXHIBIT C

DECLARATION OF KEVIN J. HAMILTON

Plaintiffs' Remedial Plan A Population Summary

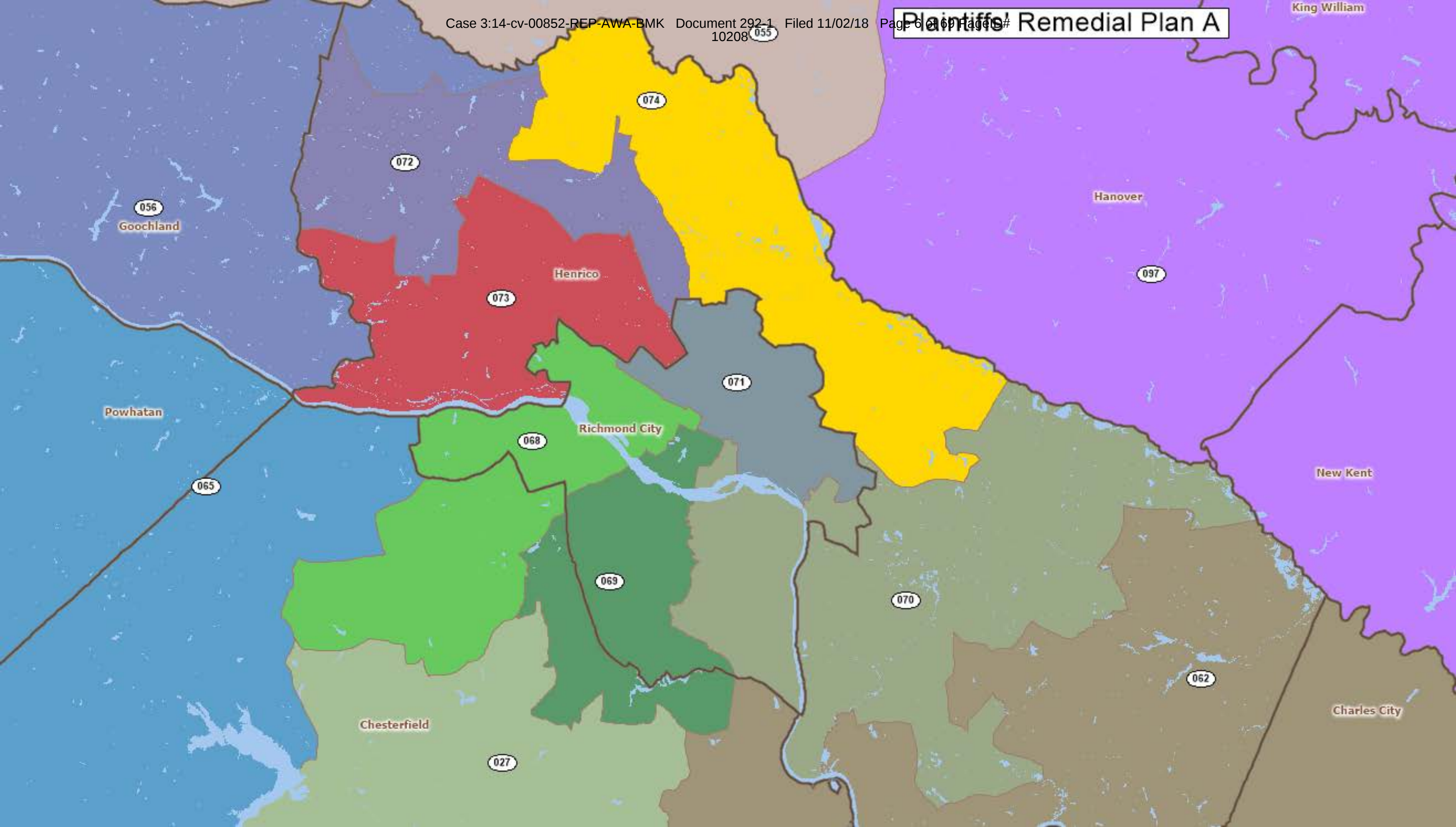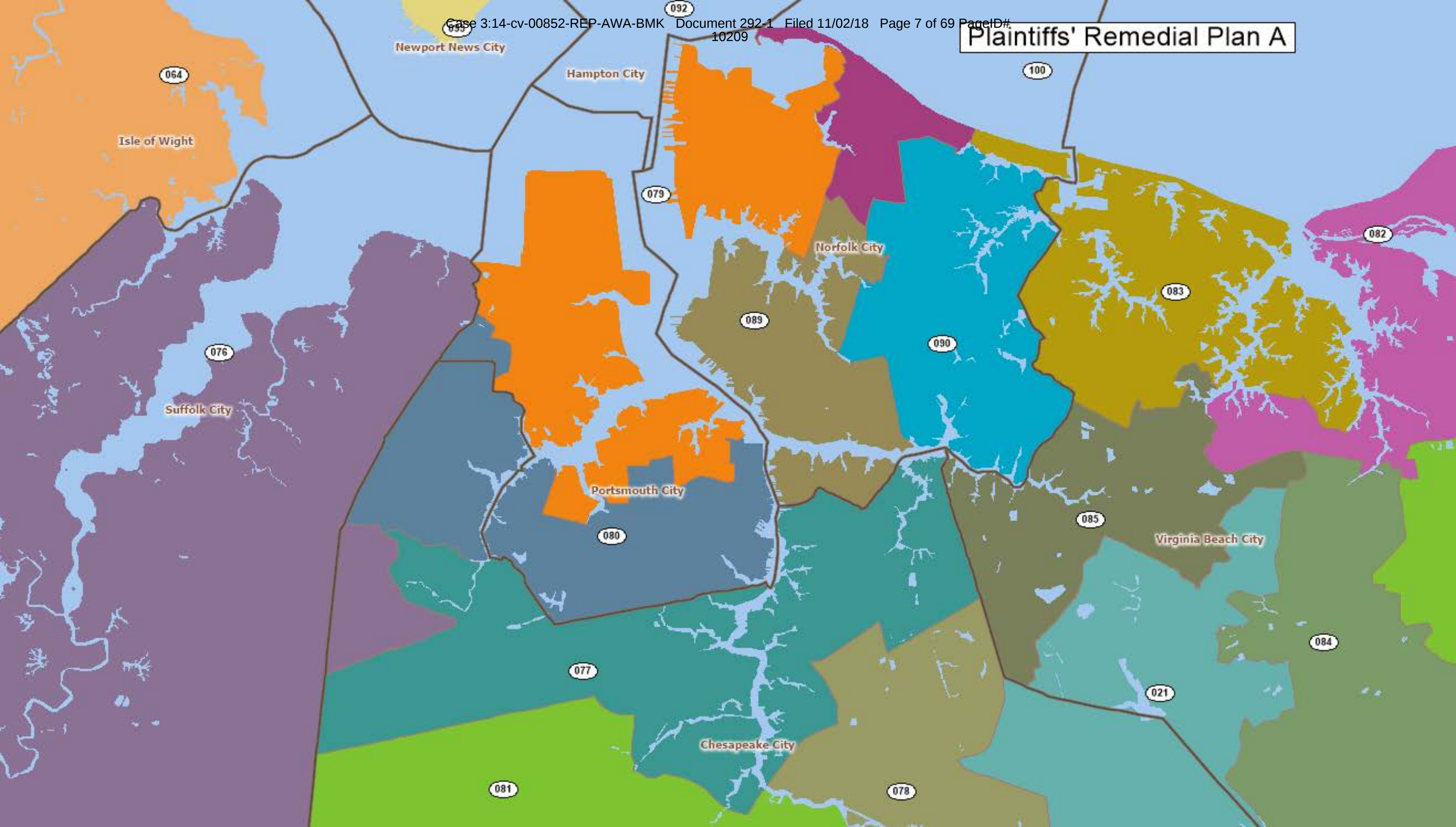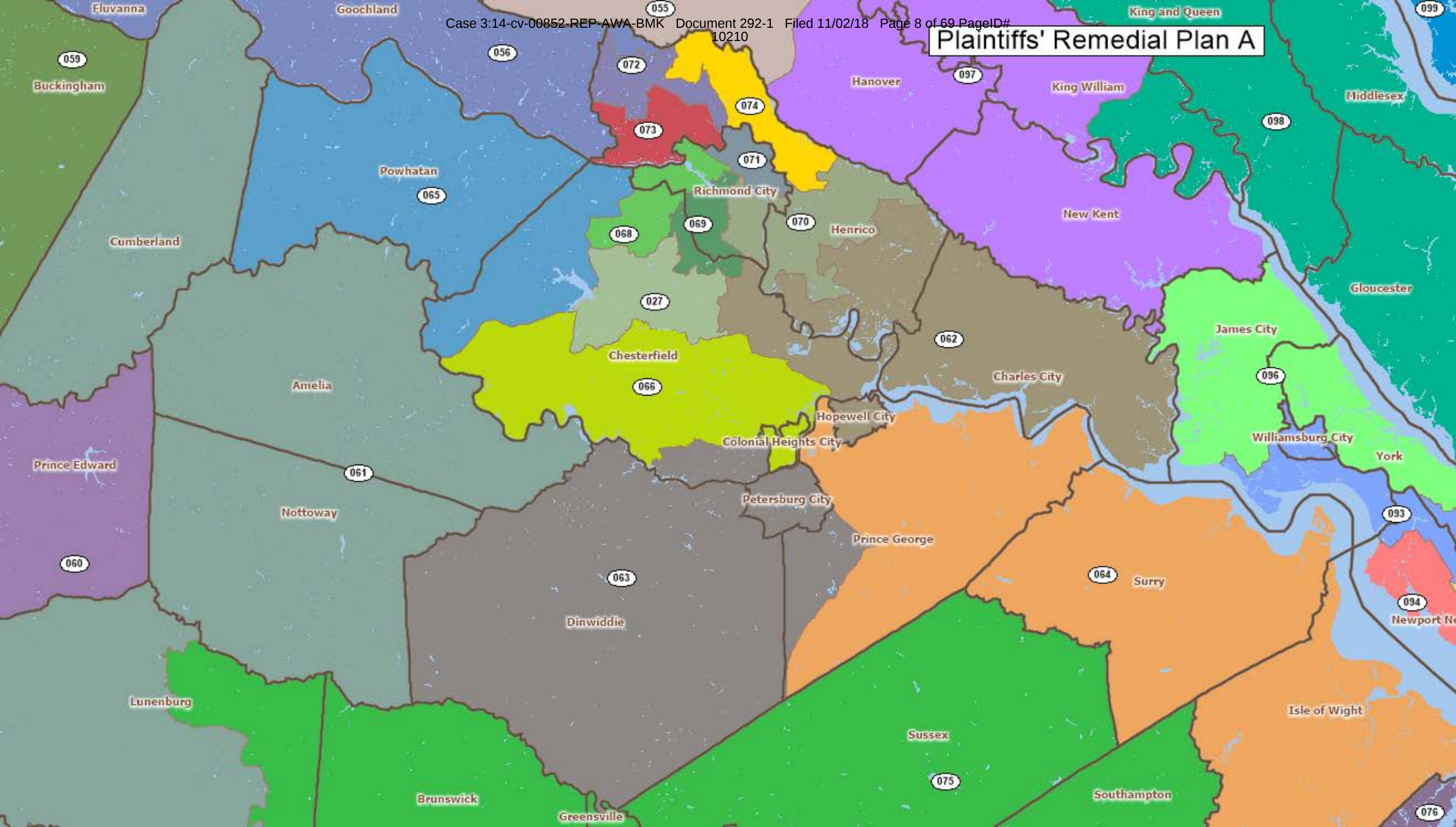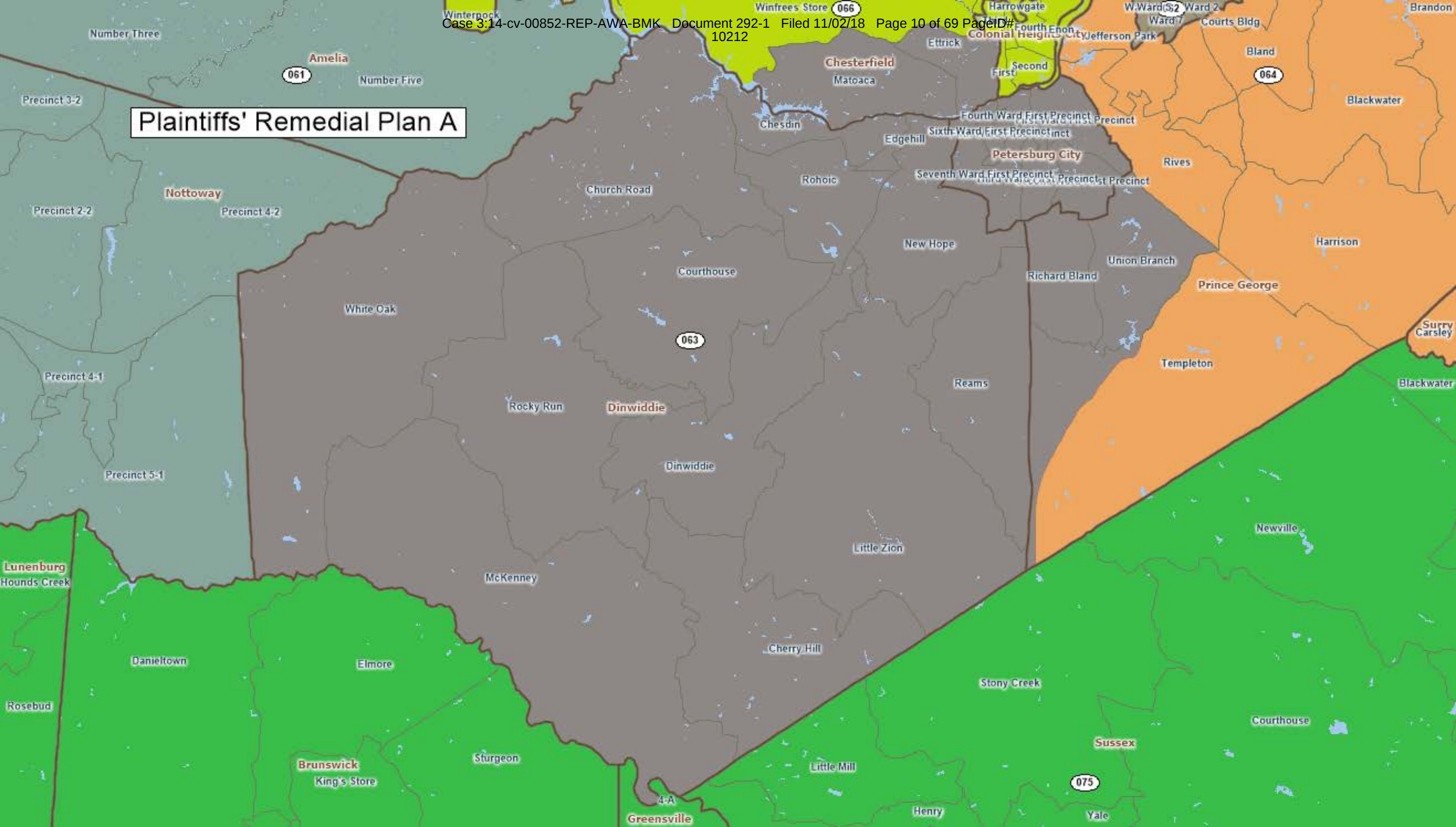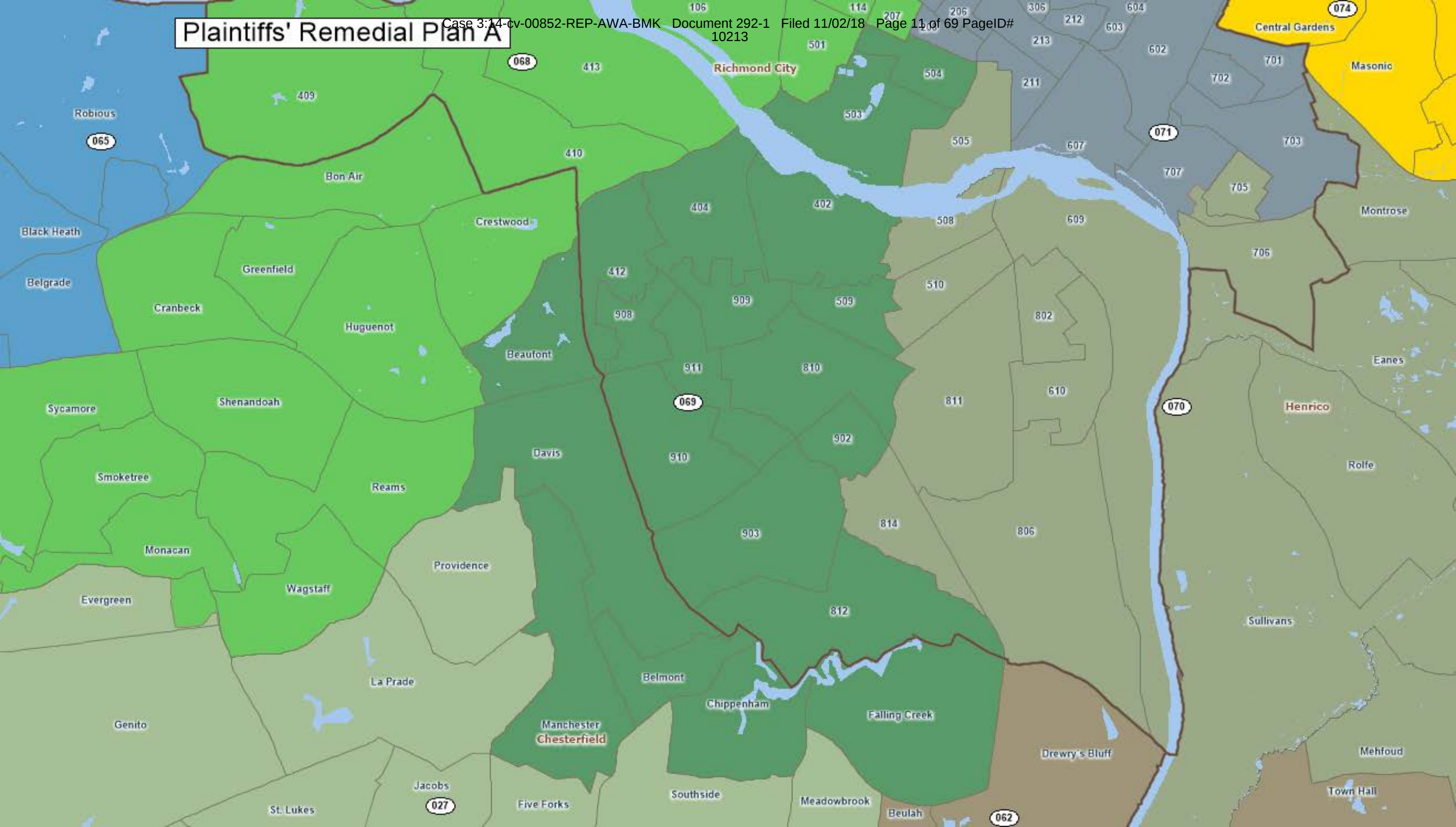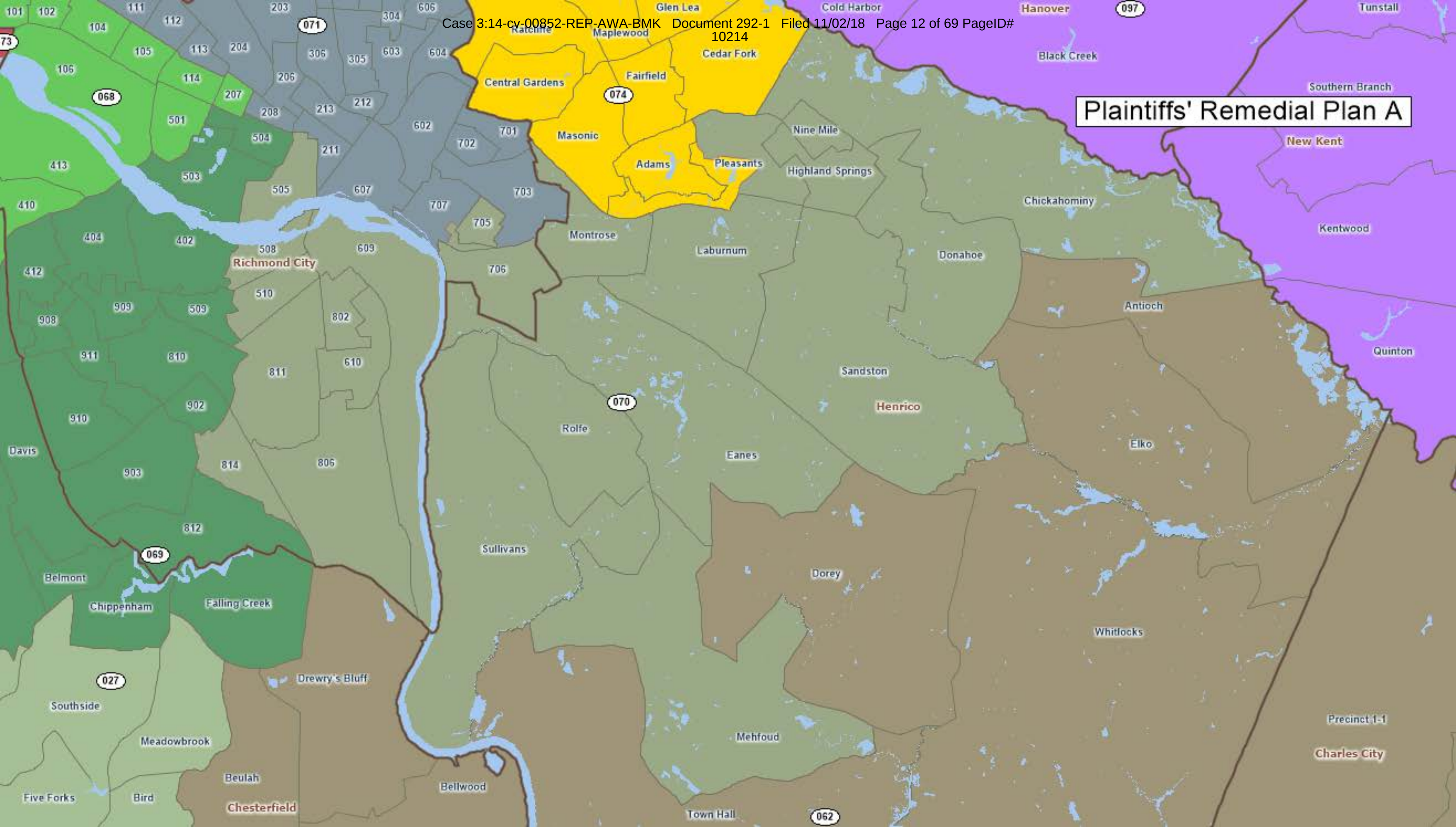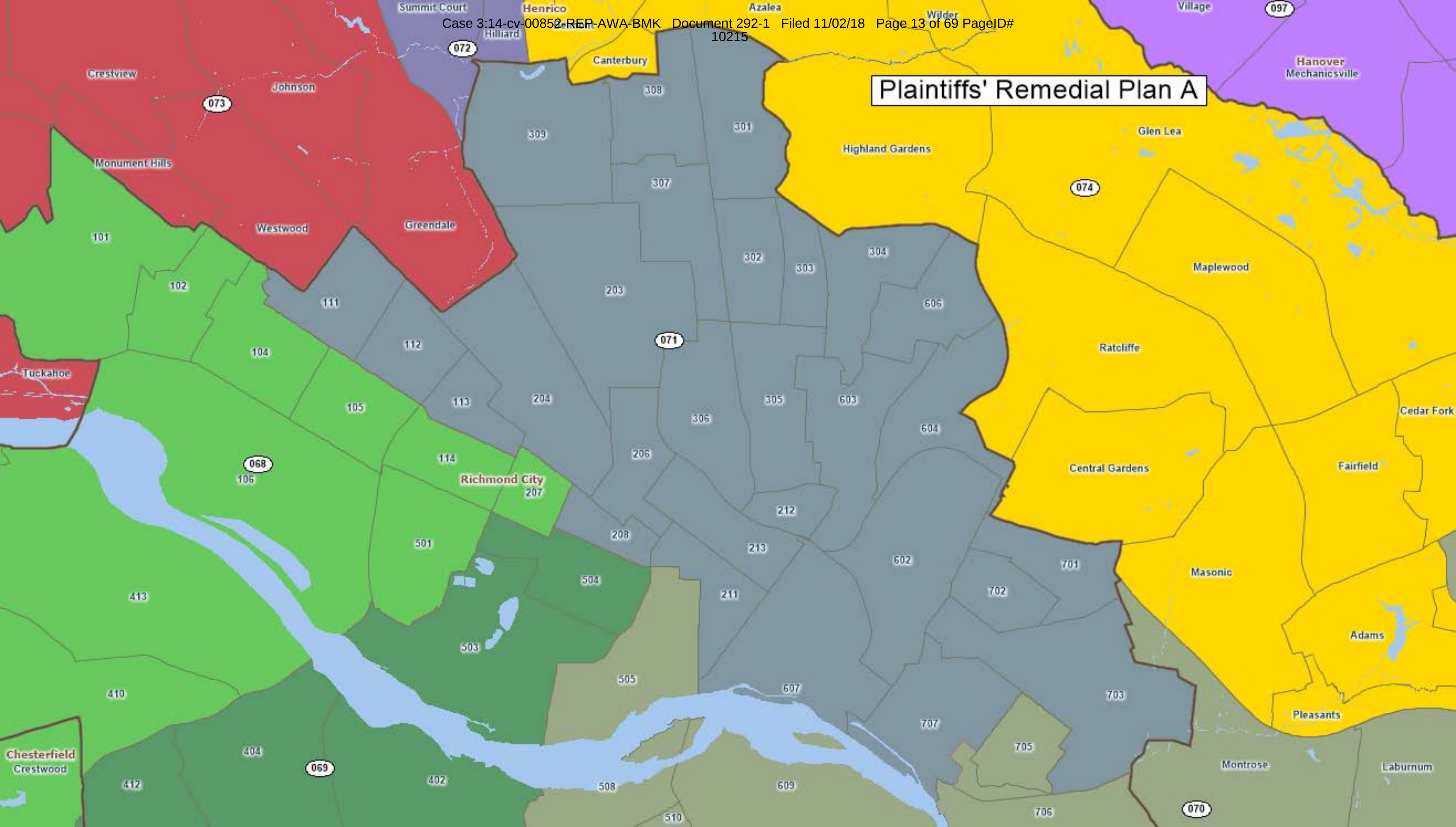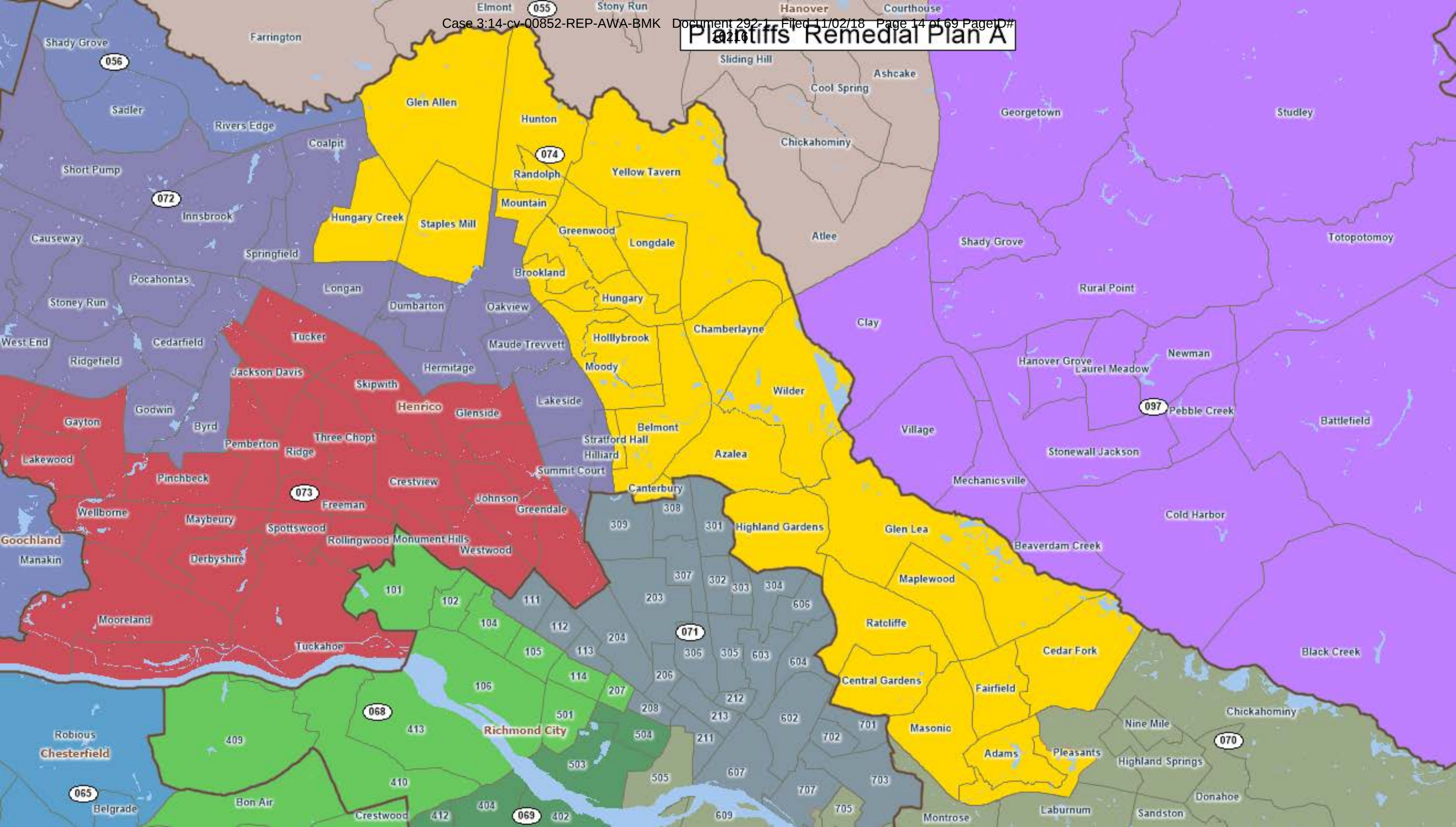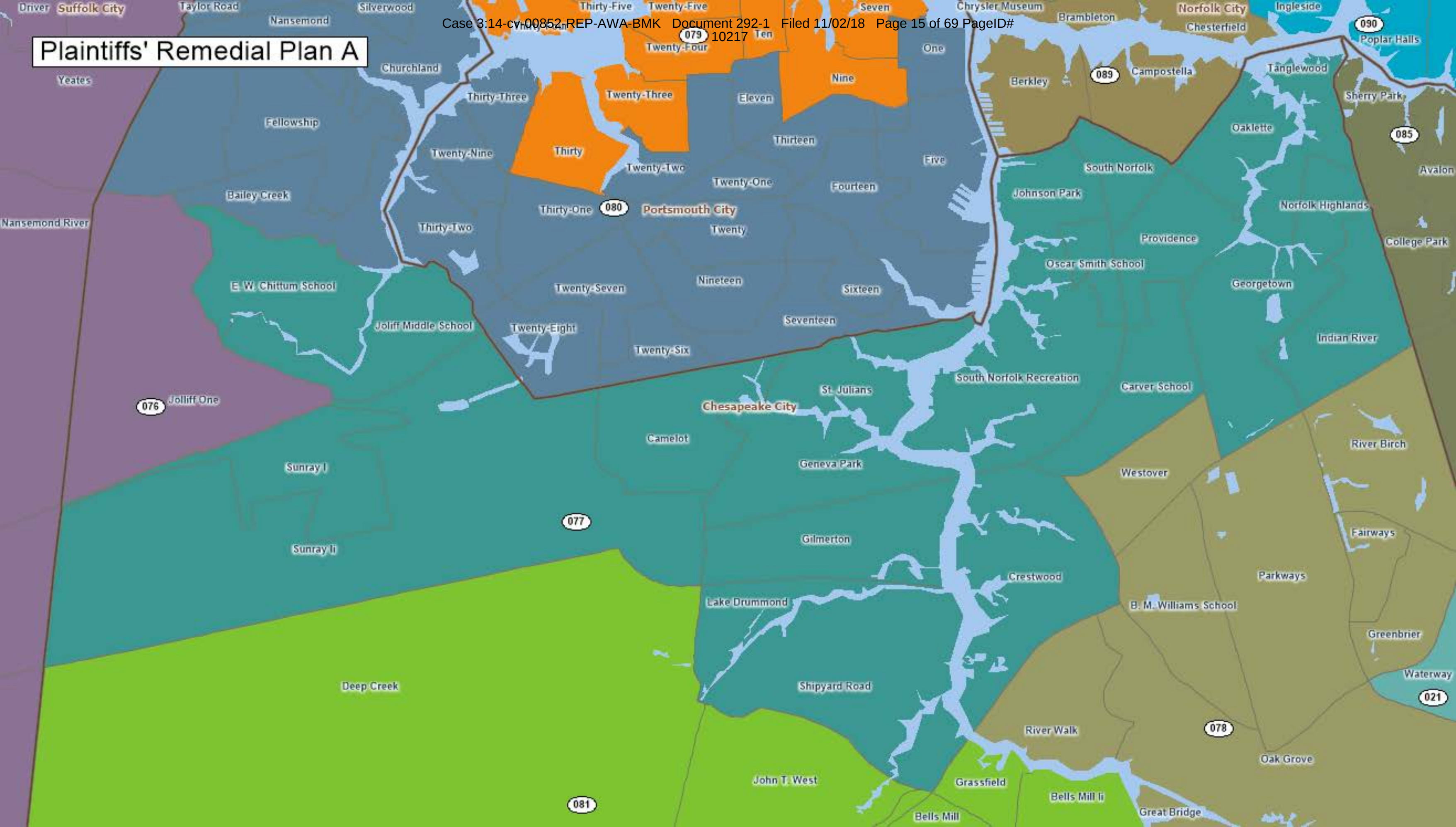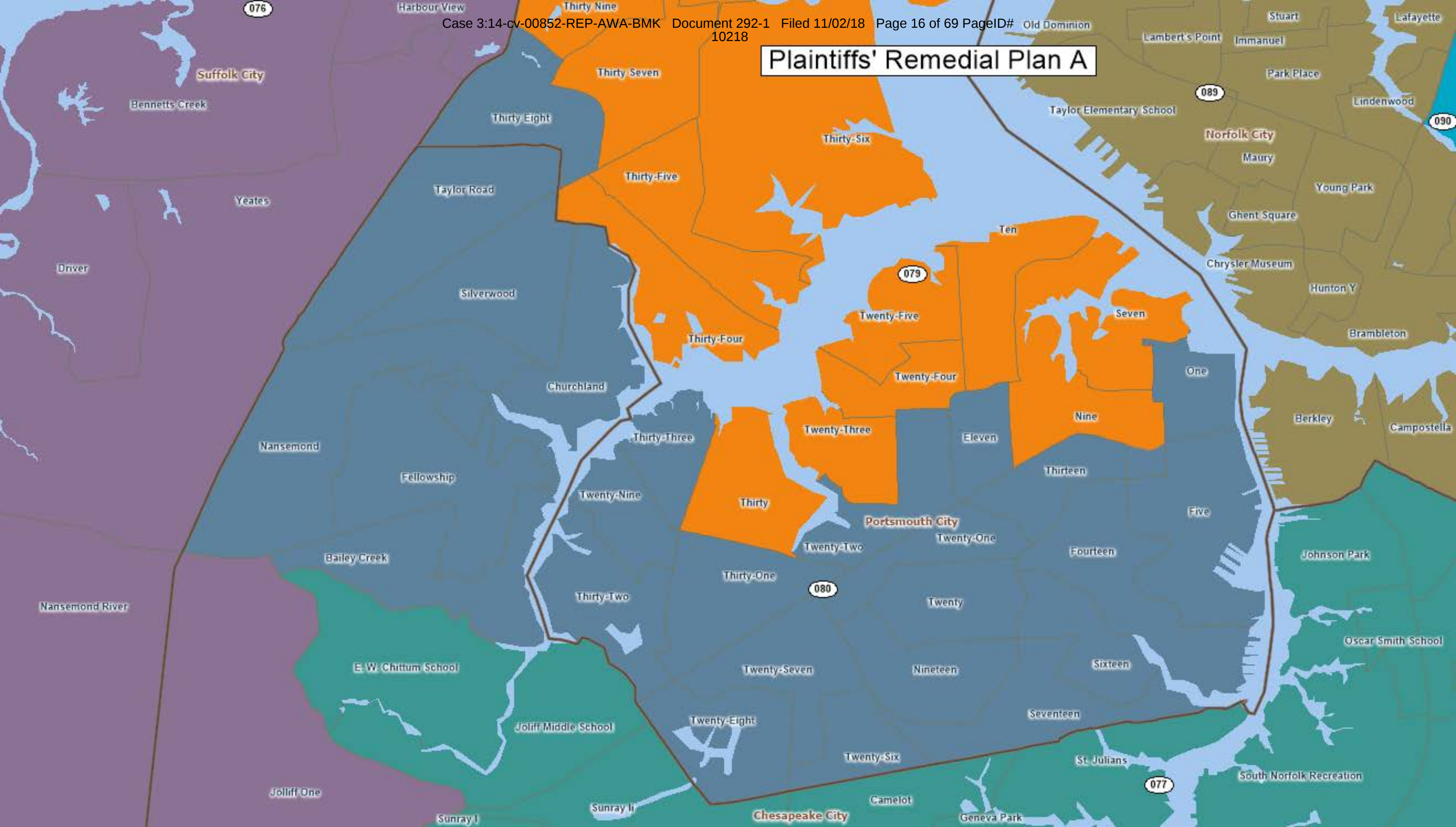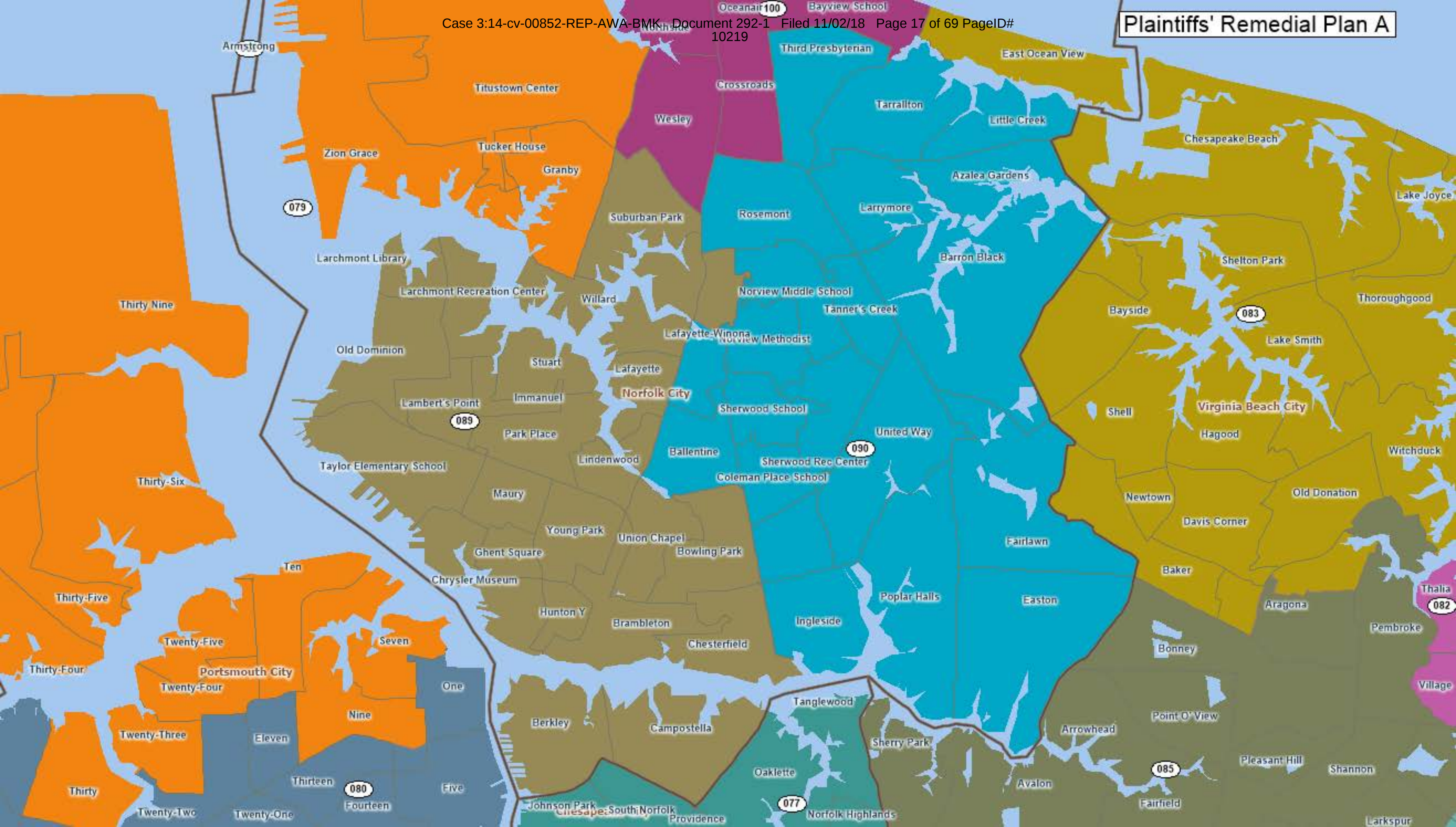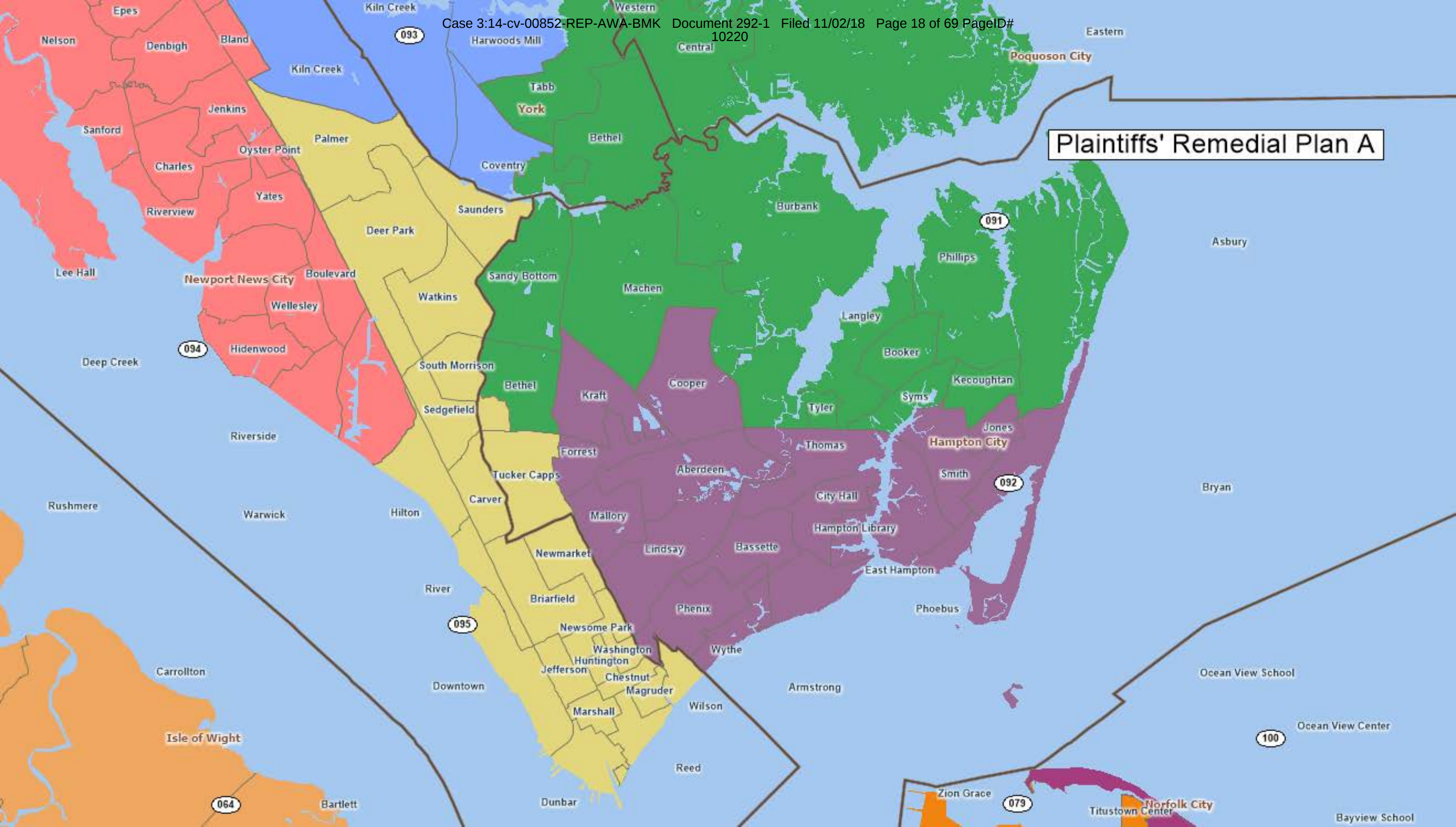| HD	Total Population	Deviation	% Deviation	White	% White	Black (alone or in Part)	% Black (alone or in Part)	Black	% Black	Hispanic	% Hispanic	AIAN	% AIAN	Asian	% Asian	HawPI	% HawPI	Other	% Other
51001	80,508	498	0.62%	76,238	94.7%	2,938	3.6%	2,642	3.3%	1,032	1.3%	198	0.2%	273	0.3%	21	0.0%	378	0.5%
51002	79,491	-519	-0.65%	45,289	57.0%	21,234	26.7%	19,305	24.3%	14,019	17.6%	389	0.5%	4,714	5.9%	143	0.2%	5,537	7.0%
51003	80,583	573	0.72%	77,178	95.8%	2,453	3.0%	2,187	2.7%	471	0.6%	89	0.1%	361	0.4%	10	0.0%	141	0.2%
51004	80,446	436	0.54%	77,768	96.7%	1,687	2.1%	1,487	1.8%	833	1.0%	127	0.2%	215	0.3%	9	0.0%	323	0.4%
51005	80,600	590	0.74%	76,060	94.4%	2,670	3.3%	2,217	2.8%	2,219	2.8%	149	0.2%	279	0.3%	24	0.0%	963	1.2%
51006	79,608	-402	-0.50%	76,371	95.9%	1,847	2.3%	1,491	1.9%	1,348	1.7%	144	0.2%	233	0.3%	11	0.0%	620	0.8%
51007	80,146	136	0.17%	74,108	92.5%	3,719	4.6%	3,148	3.9%	1,636	2.0%	144	0.2%	1,036	1.3%	18	0.0%	445	0.6%
51008	80,685	675	0.84%	74,011	91.7%	3,761	4.7%	3,262	4.0%	1,558	1.9%	167	0.2%	1,519	1.9%	18	0.0%	595	0.7%
51009	80,574	564	0.70%	69,709	86.5%	8,461	10.5%	7,855	9.7%	2,349	2.9%	205	0.3%	272	0.3%	13	0.0%	1,447	1.8%
51010	80,617	607	0.76%	60,881	75.5%	7,711	9.6%	6,650	8.2%	9,800	12.2%	276	0.3%	5,836	7.2%	34	0.0%	3,995	5.0%
51011	80,132	122	0.15%	47,632	59.4%	28,095	35.1%	26,464	33.0%	4,734	5.9%	213	0.3%	1,374	1.7%	49	0.1%	2,072	2.6%
51012	80,492	482	0.60%	70,200	87.2%	4,022	5.0%	3,428	4.3%	1,959	2.4%	160	0.2%	4,443	5.5%	22	0.0%	587	0.7%
51013	80,579	569	0.71%	48,642	60.4%	11,894	14.8%	10,402	12.9%	20,063	24.9%	397	0.5%	7,610	9.4%	65	0.1%	9,494	11.8%
51014	79,407	-603	-0.75%	47,862	60.3%	29,125	36.7%	28,510	35.9%	2,407	3.0%	145	0.2%	561	0.7%	24	0.0%	1,271	1.6%
51015	80,630	620	0.77%	75,913	94.1%	1,994	2.5%	1,507	1.9%	3,386	4.2%	189	0.2%	361	0.4%	17	0.0%	1,474	1.8%
51016	79,692	-318	-0.40%	54,827	68.8%	22,513	28.3%	21,837	27.4%	2,628	3.3%	189	0.2%	368	0.5%	7	0.0%	1,389	1.7%
51017	80,631	621	0.78%	71,273	88.4%	5,959	7.4%	5,176	6.4%	2,059	2.6%	157	0.2%	1,880	2.3%	22	0.0%	639	0.8%
51018	79,450	-560	-0.70%	69,073	86.9%	6,596	8.3%	5,720	7.2%	4,292	5.4%	260	0.3%	943	1.2%	45	0.1%	1,563	2.0%
51019	80,080	70	0.09%	73,554	91.9%	5,190	6.5%	4,655	5.8%	1,019	1.3%	217	0.3%	332	0.4%	20	0.0%	241	0.3%
51020	79,334	-676	-0.84%	69,268	87.3%	7,701	9.7%	6,665	8.4%	2,580	3.3%	173	0.2%	494	0.6%	21	0.0%	1,054	1.3%
51021	79,608	-402	-0.50%	45,487	57.1%	21,051	26.4%	19,164	24.1%	5,567	7.0%	225	0.3%	9,178	11.5%	95	0.1%	1,559	2.0%
51022	79,307	-703	-0.88%	59,135	74.6%	17,825	22.5%	17,029	21.5%	1,773	2.2%	192	0.2%	1,019	1.3%	26	0.0%	565	0.7%
51023	79,330	-680	-0.85%	62,083	78.3%	13,394	16.9%	12,524	15.8%	2,087	2.6%	313	0.4%	2,010	2.5%	34	0.0%	914	1.2%
51024	79,678	-332	-0.41%	70,684	88.7%	7,017	8.8%	6,459	8.1%	1,424	1.8%	428	0.5%	442	0.6%	21	0.0%	446	0.6%
51025	80,011	1	0.00%	73,736	92.2%	3,245	4.1%	2,727	3.4%	2,893	3.6%	148	0.2%	950	1.2%	11	0.0%	1,258	1.6%
51026	80,688	678	0.85%	67,806	84.0%	4,260	5.3%	3,531	4.4%	9,906	12.3%	264	0.3%	1,878	2.3%	64	0.1%	5,170	6.4%
51027	79,469	-541	-0.68%	52,148	65.6%	20,582	25.9%	19,296	24.3%	5,628	7.1%	321	0.4%	2,440	3.1%	49	0.1%	2,891	3.6%
51028	79,304	-706	-0.88%	56,206	70.9%	16,476	20.8%	14,841	18.7%	7,076	8.9%	403	0.5%	1,961	2.5%	85	0.1%	2,658	3.4%
51029	79,851	-159	-0.20%	68,575	85.9%	5,669	7.1%	4,732	5.9%	6,597	8.3%	248	0.3%	1,106	1.4%	20	0.0%	3,382	4.2%
51030	80,583	573	0.72%	62,914	78.1%	13,207	16.4%	11,938	14.8%	5,030	6.2%	275	0.3%	802	1.0%	59	0.1%	2,448	3.0%
51031	79,210	-800	-1.00%	50,345	63.6%	17,494	22.1%	15,955	20.1%	11,324	14.3%	470	0.6%	4,561	5.8%	130	0.2%	4,161	5.3%
51032	80,268	258	0.32%	55,738	69.4%	6,846	8.5%	5,929	7.4%	7,420	9.2%	213	0.3%	12,951	16.1%	40	0.0%	2,189	2.7%
51033	80,550	540	0.67%	70,393	87.4%	4,657	5.8%	3,883	4.8%	5,090	6.3%	194	0.2%	2,203	2.7%	47	0.1%	1,784	2.2%
51034	80,722	712	0.89%	61,693	76.4%	3,137	3.9%	2,618	3.2%	5,819	7.2%	152	0.2%	11,696	14.5%	37	0.0%	1,729	2.1%
51035	80,213	203	0.25%	53,780	67.0%	4,431	5.5%	3,816	4.8%	8,037	10.0%	212	0.3%	16,330	20.4%	56	0.1%	2,780	3.5%
51036	79,746	-264	-0.33%	53,210	66.7%	8,034	10.1%	7,138	9.0%	8,819	11.1%	247	0.3%	12,776	16.0%	32	0.0%	3,187	4.0%
51037	80,255	245	0.31%	47,377	59.0%	7,154	8.9%	6,282	7.8%	10,555	13.2%	258	0.3%	19,197	23.9%	47	0.1%	3,605	4.5%
51038	80,758	748	0.93%	42,448	52.6%	8,542	10.6%	7,896	9.8%	25,694	31.8%	508	0.6%	15,293	18.9%	63	0.1%	10,919	13.5%
51039	80,710	700	0.87%	46,876	58.1%	8,318	10.3%	7,585	9.4%	15,374	19.0%	384	0.5%	15,794	19.6%	77	0.1%	6,603	8.2%
51040	80,729	719	0.90%	55,837	69.2%	5,891	7.3%	5,095	6.3%	7,868	9.7%	240	0.3%	13,863	17.2%	78	0.1%	2,649	3.3%
51041	80,792	782	0.98%	54,579	67.6%	5,343	6.6%	4,637	5.7%	9,941	12.3%	183	0.2%	15,266	18.9%	62	0.1%	2,885	3.6%
51042	79,964	-46	-0.06%	55,174	69.0%	9,089	11.4%	8,114	10.1%	7,461	9.3%	261	0.3%	11,008	13.8%	104	0.1%	1,939	2.4%
51043	80,750	740	0.92%	47,821	59.2%	15,299	18.9%	14,109	17.5%	12,611	15.6%	291	0.4%	9,989	12.4%	81	0.1%	4,915	6.1%
51044	80,796	786	0.98%	44,799	55.4%	18,844	23.3%	17,690	21.9%	19,469	24.1%	413	0.5%	5,310	6.6%	90	0.1%	9,136	11.3%
51045	80,240	230	0.29%	59,905	74.7%	10,197	12.7%	9,434	11.8%	11,072	13.8%	363	0.5%	3,145	3.9%	63	0.1%	4,791	6.0%
51046	80,333	323	0.40%	41,531	51.7%	23,914	29.8%	22,577	28.1%	13,746	17.1%	293	0.4%	6,546	8.1%	87	0.1%	5,911	7.4%
51047	80,757	747	0.93%	61,673	76.4%	4,477	5.5%	3,900	4.8%	10,754	13.3%	427	0.5%	7,508	9.3%	56	0.1%	4,263	5.3%
51048	79,492	-518	-0.65%	63,919	80.4%	3,802	4.8%	3,291	4.1%	5,831	7.3%	179	0.2%	8,184	10.3%	48	0.1%	1,318	1.7%
51049	80,609	599	0.75%	42,754	53.0%	14,797	18.4%	13,754	17.1%	21,749	27.0%	497	0.6%	10,174	12.6%	105	0.1%	9,557	11.9%
51050	80,677	667	0.83%	50,040	62.0%	12,619	15.6%	11,036	13.7%	21,171	26.2%	450	0.6%	5,698	7.1%	114	0.1%	9,436	11.7%
51051	80,372	362	0.45%	55,264	68.8%	13,854	17.2%	12,462	15.5%	10,775	13.4%	444	0.6%	4,757	5.9%	85	0.1%	3,777	4.7%
51052	79,290	-720	-0.90%	33,564	42.3%	26,018	32.8%	23,892	30.1%	23,127	29.2%	663	0.8%	5,377	6.8%	99	0.1%	10,940	13.8%
51053	80,049	39	0.05%	48,549	60.6%	4,895	6.1%	4,294	5.4%	16,791	21.0%	400	0.5%	16,424	20.5%	45	0.1%	7,101	8.9%
51054	80,155	145	0.18%	58,394	72.9%	15,595	19.5%	14,128	17.6%	6,404	8.0%	283	0.4%	1,915	2.4%	86	0.1%	2,577	3.2%
51055	79,578	-432	-0.54%	63,245	79.5%	13,666	17.1%	12,766	16.0%	2,068	2.6%	305	0.4%	881	1.1%	36	0.0%	695	0.9%
51056	80,046	36	0.05%	61,943	77.4%	13,934	17.4%	13,107	16.4%	1,804	2.3%	227	0.3%	2,701	3.4%	27	0.0%	541	0.7%
51057	80,778	768	0.96%	55,937	69.2%	14,978	18.5%	13,861	17.2%	5,761	7.1%	250	0.3%	5,807	7.2%	49	0.1%	2,396	3.0%
51058	80,767	757	0.95%	71,271	88.2%	6,129	7.6%	5,290	6.5%	2,569	3.2%	160	0.2%	1,299	1.6%	20	0.0%	1,071	1.3%
51059	79,345	-665	-0.83%	61,136	77.1%	16,499	20.8%	15,647	19.7%	1,436	1.8%	203	0.3%	457	0.6%	34	0.0%	529	0.7%
51060	79,219	-791	-0.99%	50,287	63.5%	27,314	34.5%	26,636	33.6%	1,407	1.8%	227	0.3%	368	0.5%	22	0.0%	620	0.8%
51061	79,792	-218	-0.27%	50,089	62.8%	27,647	34.6%	26,906	33.7%	2,085	2.6%	259	0.3%	345	0.4%	23	0.0%	958	1.2%
51062	80,065	55	0.07%	47,885	59.8%	24,481	30.6%	23,205	29.0%	7,359	9.2%	931	1.2%	1,719	2.1%	87	0.1%	3,953	4.9%
51063	79,436	-574	-0.72%	32,019	40.3%	45,165	56.9%	44,174	55.6%	2,391	3.0%	245	0.3%	535	0.7%	37	0.0%	999	1.3%
51064	79,452	-558	-0.70%	52,144	65.6%	24,508	30.8%	23,500	29.6%	2,744	3.5%	359	0.5%	789	1.0%	119	0.1%	767	1.0%
51065	79,682	-328	-0.41%	67,806	85.1%	7,915	9.9%	7,345	9.2%	1,890	2.4%	152	0.2%	2,526	3.2%	29	0.0%	458	0.6%
51066	79,330	-680	-0.85%	59,495	75.0%	14,976	18.9%	13,977	17.6%	3,788	4.8%	301	0.4%	2,093	2.6%	45	0.1%	1,474	1.9%
51067	79,633	-377	-0.47%	53,298	66.9%	4,972	6.2%	4,333	5.4%	7,838	9.8%	142	0.2%	16,199	20.3%	75	0.1%	2,654	3.3%
51068	79,218	-792	-0.99%	63,304	79.9%	11,087	14.0%	10,339	13.1%	3,428	4.3%	240	0.3%	2,444	3.1%	23	0.0%	1,224	1.5%
51069	79,489	-521	-0.65%	26,051	32.8%	43,300	54.5%	41,984	52.8%	11,664	14.7%	403	0.5%	1,620	2.0%	99	0.1%	7,156	9.0%
51070	79,412	-598	-0.75%	25,162	31.7%	50,405	63.5%	49,129	61.9%	3,721	4.7%	413	0.5%	888	1.1%	52	0.1%	1,898	2.4%
51071	79,515	-495	-0.62%	30,507	38.4%	44,831	56.4%	43,728	55.0%	1,909	2.4%	203	0.3%	2,576	3.2%	38	0.0%	597	0.8%
51072	80,432	422	0.53%	57,948	72.0%	10,830	13.5%	9,958	12.4%	4,486	5.6%	200	0.2%	8,553	10.6%	27	0.0%	1,756	2.2%
51073	79,730	-280	-0.35%	58,639	73.5%	11,104	13.9%	10,286	12.9%	6,005	7.5%	234	0.3%	5,928	7.4%	39	0.0%	2,675	3.4%
51074	79,880	-130	-0.16%	30,275	37.9%	44,587	55.8%	43,318	54.2%	2,889	3.6%	209	0.3%	2,910	3.6%	41	0.1%	1,230	1.5%
51075	79,287	-723	-0.90%	35,158	44.3%	42,555	53.7%	41,910	52.9%	1,616	2.0%	203	0.3%	295	0.4%	24	0.0%	761	1.0%
51076	79,530	-480	-0.60%	40,644	51.1%	35,826	45.0%	34,734	43.7%	2,360	3.0%	248	0.3%	1,354	1.7%	52	0.1%	644	0.8%
51077	80,448	438	0.55%	35,638	44.3%	40,456	50.3%	39,019	48.5%	4,100	5.1%	331	0.4%	1,388	1.7%	60	0.1%	1,541	1.9%
51078	80,037	27	0.03%	59,510	74.4%	14,949	18.7%	13,932	17.4%	3,395	4.2%	333	0.4%	2,979	3.7%	49	0.1%	750	0.9%
51079	80,217	207	0.26%	46,482	57.9%	27,375	34.1%	26,253	32.7%	5,989	7.5%	563	0.7%	2,242	2.8%	187	0.2%	1,734	2.2%

51080	79,924	-86	-0.11%	32,607	40.8%	44,098	55.2%	42,761	53.5%	2,389	3.0%	336	0.4%	1,229	1.5%	102	0.1%	820	1.0%
51081	80,691	681	0.85%	60,992	75.6%	14,384	17.8%	13,174	16.3%	4,450	5.5%	298	0.4%	2,119	2.6%	96	0.1%	1,245	1.5%
51082	79,504	-506	-0.63%	64,133	80.7%	10,250	12.9%	9,023	11.3%	4,668	5.9%	309	0.4%	2,043	2.6%	98	0.1%	1,350	1.7%
51083	80,774	764	0.95%	53,040	65.7%	20,669	25.6%	19,256	23.8%	5,123	6.3%	332	0.4%	3,478	4.3%	133	0.2%	1,647	2.0%
51084	79,655	-355	-0.44%	50,866	63.9%	18,664	23.4%	17,068	21.4%	6,111	7.7%	301	0.4%	5,968	7.5%	160	0.2%	1,730	2.2%
51085	80,754	744	0.93%	52,551	65.1%	19,037	23.6%	17,489	21.7%	5,050	6.3%	378	0.5%	5,295	6.6%	117	0.1%	1,634	2.0%
51086	80,747	737	0.92%	46,400	57.5%	7,132	8.8%	6,369	7.9%	17,163	21.3%	351	0.4%	15,998	19.8%	42	0.1%	8,162	10.1%
51087	79,275	-735	-0.92%	44,093	55.6%	7,429	9.4%	6,483	8.2%	11,761	14.8%	236	0.3%	19,678	24.8%	54	0.1%	5,109	6.4%
51088	80,191	181	0.23%	60,158	75.0%	12,879	16.1%	11,480	14.3%	7,188	9.0%	261	0.3%	2,106	2.6%	95	0.1%	3,356	4.2%
51089	80,517	507	0.63%	31,318	38.9%	45,497	56.5%	44,279	55.0%	2,558	3.2%	232	0.3%	1,913	2.4%	56	0.1%	751	0.9%
51090	79,228	-782	-0.98%	33,391	42.1%	38,860	49.0%	37,049	46.8%	5,285	6.7%	341	0.4%	3,379	4.3%	114	0.1%	1,859	2.3%
51091	79,503	-507	-0.63%	51,706	65.0%	22,177	27.9%	20,508	25.8%	3,604	4.5%	332	0.4%	2,719	3.4%	94	0.1%	1,009	1.3%
51092	79,959	-51	-0.06%	27,332	34.2%	49,076	61.4%	47,056	58.9%	3,528	4.4%	347	0.4%	1,317	1.6%	82	0.1%	1,037	1.3%
51093	79,232	-778	-0.97%	53,806	67.9%	18,041	22.8%	16,524	20.9%	5,061	6.4%	268	0.3%	3,804	4.8%	137	0.2%	1,673	2.1%
51094	79,268	-742	-0.93%	45,286	57.1%	27,456	34.6%	25,249	31.9%	6,442	8.1%	389	0.5%	2,547	3.2%	159	0.2%	2,051	2.6%
51095	79,667	-343	-0.43%	32,062	40.2%	42,862	53.8%	40,935	51.4%	4,917	6.2%	367	0.5%	1,271	1.6%	81	0.1%	2,105	2.6%
51096	79,217	-793	-0.99%	62,755	79.2%	11,949	15.1%	10,948	13.8%	3,357	4.2%	266	0.3%	2,069	2.6%	78	0.1%	1,001	1.3%
51097	79,386	-624	-0.78%	67,533	85.1%	8,951	11.3%	8,379	10.6%	1,606	2.0%	597	0.8%	947	1.2%	29	0.0%	503	0.6%
51098	79,251	-759	-0.95%	63,155	79.7%	13,769	17.4%	12,959	16.4%	1,870	2.4%	403	0.5%	519	0.7%	23	0.0%	536	0.7%
51099	80,332	322	0.40%	56,801	70.7%	20,709	25.8%	19,785	24.6%	2,971	3.7%	353	0.4%	551	0.7%	27	0.0%	1,183	1.5%
51100	80,680	670	0.84%	50,700	62.8%	24,232	30.0%	23,019	28.5%	6,746	8.4%	403	0.5%	1,280	1.6%	125	0.2%	2,785	3.5%

.

Plaintiffs' Remedial Plan A Voting Age Population Summary

HD	Voting Age Population	Deviation	% Deviation	White	% White	Black (alone or in Part)	% Black (alone or in Part)	Black	% Black	Hispanic	% Hispanic	AIAN	% AIAN	Asian	% Asian	HawPI	% HawPI	Other	% Other
51001	64,221	498	0.62%	60,648	94.4%	2,537	4.0%	2,428	3.8%	754	1.2%	170	0.2%	226	0.4%	12	0.0%	284	0.4%
51002	56,163	-519	-0.65%	33,408	59.5%	14,095	25.1%	13,382	23.8%	8,879	15.8%	264	0.3%	3,477	6.2%	100	0.1%	3,616	4.5%
51003	64,745	573	0.72%	62,065	95.9%	1,965	3.0%	1,883	2.9%	327	0.5%	70	0.1%	294	0.5%	8	0.0%	83	0.1%
51004	64,195	436	0.54%	62,070	96.7%	1,399	2.2%	1,319	2.1%	541	0.8%	97	0.1%	161	0.3%	3	0.0%	230	0.3%
51005	64,337	590	0.74%	61,274	95.2%	1,769	2.7%	1,656	2.6%	1,353	2.1%	117	0.1%	211	0.3%	18	0.0%	622	0.8%
51006	62,988	-402	-0.50%	60,788	96.5%	1,263	2.0%	1,165	1.8%	813	1.3%	113	0.1%	171	0.3%	11	0.0%	374	0.5%
51007	64,401	136	0.17%	59,855	92.9%	2,681	4.2%	2,479	3.8%	1,137	1.8%	114	0.1%	922	1.4%	18	0.0%	302	0.4%
51008	63,208	675	0.84%	58,658	92.8%	2,576	4.1%	2,427	3.8%	1,012	1.6%	128	0.2%	1,064	1.7%	16	0.0%	397	0.5%
51009	64,142	564	0.70%	56,131	87.5%	6,436	10.0%	6,309	9.8%	1,388	2.2%	165	0.2%	208	0.3%	13	0.0%	896	1.1%
51010	57,050	607	0.76%	44,095	77.3%	5,113	9.0%	4,769	8.4%	6,259	11.0%	173	0.2%	4,041	7.1%	28	0.0%	2,676	3.3%
51011	62,356	122	0.15%	39,559	63.4%	19,679	31.6%	19,127	30.7%	3,146	5.0%	174	0.2%	1,049	1.7%	33	0.0%	1,402	1.7%
51012	69,034	482	0.60%	60,408	87.5%	3,206	4.6%	2,888	4.2%	1,618	2.3%	138	0.2%	3,927	5.7%	22	0.0%	484	0.6%
51013	58,290	569	0.71%	36,735	63.0%	7,965	13.7%	7,432	12.8%	12,955	22.2%	288	0.4%	5,600	9.6%	46	0.1%	6,227	7.7%
51014	62,379	-603	-0.75%	39,414	63.2%	21,395	34.3%	21,176	33.9%	1,461	2.3%	114	0.1%	415	0.7%	15	0.0%	774	1.0%
51015	62,907	620	0.77%	59,863	95.2%	1,249	2.0%	1,132	1.8%	2,048	3.3%	150	0.2%	281	0.4%	14	0.0%	920	1.1%
51016	63,086	-318	-0.40%	44,381	70.4%	17,193	27.3%	16,985	26.9%	1,595	2.5%	143	0.2%	276	0.4%	5	0.0%	849	1.1%
51017	63,576	621	0.78%	57,265	90.1%	3,957	6.2%	3,751	5.9%	1,309	2.1%	118	0.1%	1,368	2.2%	19	0.0%	412	0.5%
51018	59,686	-560	-0.70%	52,508	88.0%	4,711	7.9%	4,468	7.5%	2,635	4.4%	195	0.2%	686	1.1%	36	0.0%	990	1.2%
51019	62,844	70	0.09%	58,171	92.6%	3,776	6.0%	3,642	5.8%	639	1.0%	160	0.2%	249	0.4%	15	0.0%	140	0.2%
51020	62,717	-676	-0.84%	55,842	89.0%	5,334	8.5%	5,030	8.0%	1,608	2.6%	138	0.2%	390	0.6%	16	0.0%	614	0.8%
51021	58,656	-402	-0.50%	34,776	59.3%	14,351	24.5%	13,706	23.4%	3,432	5.9%	163	0.2%	7,249	12.4%	69	0.1%	1,080	1.4%
51022	61,467	-703	-0.88%	47,057	76.6%	12,754	20.7%	12,479	20.3%	1,179	1.9%	155	0.2%	729	1.2%	21	0.0%	385	0.5%
51023	63,982	-680	-0.85%	51,425	80.4%	9,722	15.2%	9,408	14.7%	1,543	2.4%	264	0.3%	1,473	2.3%	28	0.0%	680	0.9%
51024	64,424	-332	-0.41%	57,333	89.0%	5,604	8.7%	5,395	8.4%	990	1.5%	316	0.4%	375	0.6%	19	0.0%	327	0.4%
51025	61,585	1	0.00%	57,373	93.2%	2,289	3.7%	2,140	3.5%	1,717	2.8%	101	0.1%	656	1.1%	10	0.0%	783	1.0%
51026	65,566	678	0.85%	56,466	86.1%	3,020	4.6%	2,714	4.1%	6,380	9.7%	193	0.2%	1,609	2.5%	62	0.1%	3,382	4.2%
51027	58,903	-541	-0.68%	40,374	68.5%	14,034	23.8%	13,611	23.1%	3,504	5.9%	250	0.3%	1,830	3.1%	36	0.0%	1,836	2.3%
51028	58,388	-706	-0.88%	43,126	73.9%	10,909	18.7%	10,399	17.8%	4,374	7.5%	298	0.4%	1,491	2.6%	56	0.1%	1,689	2.1%
51029	61,320	-159	-0.20%	53,930	87.9%	3,749	6.1%	3,482	5.7%	4,035	6.6%	181	0.2%	849	1.4%	16	0.0%	2,074	2.6%
51030	61,276	573	0.72%	48,944	79.9%	9,439	15.4%	9,097	14.8%	3,171	5.2%	202	0.3%	595	1.0%	42	0.1%	1,541	1.9%
51031	56,743	-800	-1.00%	37,294	65.7%	11,839	20.9%	11,228	19.8%	7,182	12.7%	307	0.4%	3,361	5.9%	102	0.1%	2,740	3.5%
51032	55,263	258	0.32%	39,133	70.8%	4,550	8.2%	4,228	7.7%	4,881	8.8%	122	0.2%	8,777	15.9%	32	0.0%	1,500	1.9%
51033	57,140	540	0.67%	50,780	88.9%	2,931	5.1%	2,723	4.8%	3,123	5.5%	135	0.2%	1,542	2.7%	38	0.0%	1,127	1.4%
51034	57,978	712	0.89%	44,921	77.5%	2,153	3.7%	1,954	3.4%	3,835	6.6%	108	0.1%	8,542	14.7%	29	0.0%	1,138	1.4%
51035	62,743	203	0.25%	42,985	68.5%	3,374	5.4%	3,058	4.9%	5,932	9.5%	146	0.2%	12,585	20.1%	51	0.1%	2,065	2.6%
51036	61,859	-264	-0.33%	43,038	69.6%	5,581	9.0%	5,178	8.4%	6,069	9.8%	164	0.2%	9,533	15.4%	29	0.0%	2,172	2.7%
51037	63,480	245	0.31%	38,998	61.4%	5,321	8.4%	4,882	7.7%	7,714	12.2%	191	0.2%	14,688	23.1%	39	0.0%	2,639	3.3%
51038	62,463	748	0.93%	33,887	54.3%	6,100	9.8%	5,761	9.2%	18,684	29.9%	367	0.5%	12,217	19.6%	41	0.1%	7,851	9.7%
51039	61,870	700	0.87%	37,283	60.3%	5,810	9.4%	5,479	8.9%	10,921	17.7%	265	0.3%	12,080	19.5%	58	0.1%	4,758	5.9%
51040	58,415	719	0.90%	41,056	70.3%	3,998	6.8%	3,675	6.3%	5,322	9.1%	169	0.2%	10,133	17.3%	52	0.1%	1,856	2.3%
51041	60,765	782	0.98%	41,973	69.1%	3,586	5.9%	3,348	5.5%	6,992	11.5%	128	0.2%	11,598	19.1%	46	0.1%	2,058	2.5%
51042	58,066	-46	-0.06%	41,053	70.7%	5,871	10.1%	5,523	9.5%	4,910	8.5%	182	0.2%	8,295	14.3%	75	0.1%	1,309	1.6%
51043	62,318	740	0.92%	38,605	61.9%	10,967	17.6%	10,418	16.7%	8,829	14.2%	202	0.3%	7,668	12.3%	65	0.1%	3,407	4.2%
51044	59,112	786	0.98%	33,967	57.5%	13,291	22.5%	12,763	21.6%	12,893	21.8%	268	0.3%	4,055	6.9%	63	0.1%	6,186	7.7%
51045	67,692	230	0.29%	51,797	76.5%	8,015	11.8%	7,546	11.1%	8,358	12.3%	296	0.4%	2,791	4.1%	57	0.1%	3,534	4.4%
51046	66,262	323	0.40%	35,868	54.1%	18,779	28.3%	17,958	27.1%	10,253	15.5%	238	0.3%	5,512	8.3%	74	0.1%	4,315	5.4%
51047	68,384	747	0.93%	53,109	77.7%	3,562	5.2%	3,223	4.7%	8,449	12.4%	345	0.4%	6,473	9.5%	42	0.1%	3,328	4.1%
51048	64,068	-518	-0.65%	51,895	81.0%	3,124	4.9%	2,799	4.4%	4,435	6.9%	148	0.2%	6,686	10.4%	42	0.1%	1,000	1.3%
51049	66,373	599	0.75%	36,838	55.5%	11,477	17.3%	10,818	16.3%	16,346	24.6%	390	0.5%	8,469	12.8%	79	0.1%	7,129	8.8%
51050	55,689	667	0.83%	35,574	63.9%	8,254	14.8%	7,710	13.8%	13,405	24.1%	274	0.3%	4,143	7.4%	77	0.1%	6,115	7.6%
51051	58,448	362	0.45%	41,641	71.2%	9,240	15.8%	8,738	15.0%	6,847	11.7%	311	0.4%	3,531	6.0%	67	0.1%	2,469	3.1%
51052	56,592	-720	-0.90%	25,644	45.3%	17,626	31.1%	16,793	29.7%	14,987	26.5%	414	0.5%	4,033	7.1%	80	0.1%	7,219	9.1%
51053	62,827	39	0.05%	39,121	62.3%	3,592	5.7%	3,292	5.2%	12,306	19.6%	284	0.4%	13,039	20.8%	40	0.1%	5,151	6.4%
51054	57,249	145	0.18%	42,858	74.9%	10,372	18.1%	9,896	17.3%	3,932	6.9%	202	0.3%	1,416	2.5%	57	0.1%	1,657	2.1%
51055	59,680	-432	-0.54%	47,737	80.0%	10,144	17.0%	9,821	16.5%	1,335	2.2%	228	0.3%	663	1.1%	24	0.0%	462	0.6%
51056	60,780	36	0.05%	47,347	77.9%	10,747	17.7%	10,491	17.3%	1,094	1.8%	165	0.2%	1,793	3.0%	24	0.0%	328	0.4%
51057	68,024	768	0.96%	48,829	71.8%	11,068	16.3%	10,520	15.5%	4,207	6.2%	188	0.2%	5,186	7.6%	34	0.0%	1,682	2.1%
51058	61,395	757	0.95%	54,936	89.5%	4,329	7.1%	4,117	6.7%	1,524	2.5%	110	0.1%	940	1.5%	17	0.0%	642	0.8%
51059	62,208	-665	-0.83%	48,415	77.8%	12,582	20.2%	12,344	19.8%	941	1.5%	172	0.2%	340	0.5%	26	0.0%	361	0.5%
51060	62,712	-791	-0.99%	41,036	65.4%	20,528	32.7%	20,290	32.4%	927	1.5%	190	0.2%	289	0.5%	19	0.0%	389	0.5%
51061	63,280	-218	-0.27%	40,447	63.9%	21,387	33.8%	21,112	33.4%	1,421	2.2%	204	0.3%	258	0.4%	15	0.0%	657	0.8%
51062	60,706	55	0.07%	38,169	62.9%	17,104	28.2%	16,594	27.3%	4,815	7.9%	731	0.9%	1,363	2.2%	57	0.1%	2,672	3.3%
51063	62,461	-574	-0.72%	25,695	41.1%	35,129	56.2%	34,613	55.4%	1,578	2.5%	203	0.3%	443	0.7%	28	0.0%	677	0.9%
51064	61,617	-558	-0.70%	41,079	66.7%	18,572	30.1%	18,163	29.5%	1,821	3.0%	291	0.4%	637	1.0%	72	0.1%	530	0.7%
51065	58,783	-328	-0.41%	50,272	85.5%	5,953	10.1%	5,763	9.8%	1,172	2.0%	116	0.1%	1,766	3.0%	18	0.0%	297	0.4%
51066	58,449	-680	-0.85%	45,270	77.5%	9,903	16.9%	9,570	16.4%	2,293	3.9%	219	0.3%	1,616	2.8%	42	0.1%	902	1.1%
51067	57,154	-377	-0.47%	39,122	68.5%	3,391	5.9%	3,116	5.5%	5,329	9.3%	105	0.1%	11,455	20.0%	55	0.1%	1,841	2.3%
51068	63,178	-792	-0.99%	51,555	81.6%	8,089	12.8%	7,754	12.3%	2,312	3.7%	170	0.2%	1,939	3.1%	17	0.0%	849	1.1%
51069	61,528	-521	-0.65%	22,383	36.4%	31,638	51.4%	30,986	50.4%	8,200	13.3%	314	0.4%	1,369	2.2%	70	0.1%	5,162	6.5%
51070	59,751	-598	-0.75%	21,503	36.0%	35,353	59.2%	34,736	58.1%	2,506	4.2%	334	0.4%	814	1.4%	40	0.0%	1,279	1.6%
51071	66,240	-495	-0.62%	28,142	42.5%	34,180	51.6%	33,396	50.4%	1,628	2.5%	179	0.2%	2,509	3.8%	32	0.0%	506	0.6%
51072	60,326	422	0.53%	44,434	73.7%	7,813	13.0%	7,479	12.4%	2,968	4.9%	145	0.2%	6,128	10.2%	18	0.0%	1,176	1.5%
51073	62,345	-280	-0.35%	46,958	75.3%	8,011	12.8%	7,661	12.3%	4,158	6.7%	162	0.2%	4,588	7.4%	28	0.0%	1,898	2.4%
51074	61,129	-130	-0.16%	25,304	41.4%	32,344	52.9%	31,776	52.0%	1,866	3.1%	161	0.2%	2,122	3.5%	28	0.0%	805	1.0%
51075	63,665	-723	-0.90%	29,002	45.6%	33,556	52.7%	33,315	52.3%	1,066	1.7%	154	0.2%	239	0.4%	18	0.0%	516	0.7%
51076	58,364	-480	-0.60%	31,344	53.7%	24,998	42.8%	24,593	42.1%	1,447	2.5%	178	0.2%	1,015	1.7%	31	0.0%	431	0.5%
51077	58,834	438	0.55%	27,757	47.2%	27,991	47.6%	27,445	46.6%	2,634	4.5%	252	0.3%	1,073	1.8%	48	0.1%	1,160	1.4%
51078	60,316	27	0.03%	45,422	75.3%	11,068	18.4%	10,711	17.8%	2,127	3.5%	251	0.3%	2,294	3.8%	37	0.0%	519	0.6%
51079	66,380	207	0.26%	39,913	60.1%	21,110	31.8%	20,649	31.1%	4,858	7.3%	494	0.6%	1,987	3.0%	155	0.2%	1,483	1.8%

51080	60,143	-86	-0.11%	26,160	43.5%	31,588	52.5%	31,021	51.6%	1,616	2.7%	254	0.3%	988	1.6%	73	0.1%	643	0.8%
51081	59,929	681	0.85%	46,145	77.0%	10,247	17.1%	9,827	16.4%	2,736	4.6%	247	0.3%	1,606	2.7%	75	0.1%	833	1.0%
51082	62,865	-506	-0.63%	52,024	82.8%	7,125	11.3%	6,572	10.5%	3,146	5.0%	245	0.3%	1,644	2.6%	78	0.1%	973	1.2%
51083	62,705	764	0.95%	43,306	69.1%	14,282	22.8%	13,702	21.9%	3,440	5.5%	252	0.3%	2,769	4.4%	82	0.1%	1,174	1.5%
51084	58,375	-355	-0.44%	38,245	65.5%	12,905	22.1%	12,315	21.1%	3,880	6.6%	235	0.3%	4,662	8.0%	122	0.2%	1,205	1.5%
51085	62,044	744	0.93%	42,003	67.7%	13,228	21.3%	12,636	20.4%	3,335	5.4%	294	0.4%	4,279	6.9%	102	0.1%	1,171	1.5%
51086	59,286	737	0.92%	34,944	58.9%	5,108	8.6%	4,802	8.1%	12,059	20.3%	219	0.3%	11,609	19.6%	33	0.0%	5,779	7.2%
51087	55,787	-735	-0.92%	32,124	57.6%	5,006	9.0%	4,654	8.3%	7,895	14.2%	147	0.2%	13,563	24.3%	42	0.1%	3,505	4.4%
51088	58,354	181	0.23%	45,104	77.3%	8,479	14.5%	7,991	13.7%	4,545	7.8%	197	0.2%	1,584	2.7%	78	0.1%	2,206	2.8%
51089	62,820	507	0.63%	26,850	42.7%	32,912	52.4%	32,204	51.3%	1,899	3.0%	192	0.2%	1,700	2.7%	47	0.1%	577	0.7%
51090	60,733	-782	-0.98%	27,546	45.4%	27,979	46.1%	27,252	44.9%	3,513	5.8%	273	0.3%	2,736	4.5%	92	0.1%	1,350	1.7%
51091	58,986	-507	-0.63%	39,836	67.5%	15,250	25.9%	14,558	24.7%	2,217	3.8%	229	0.3%	2,108	3.6%	74	0.1%	671	0.8%
51092	62,382	-51	-0.06%	22,724	36.4%	36,972	59.3%	35,936	57.6%	2,373	3.8%	282	0.4%	1,067	1.7%	64	0.1%	766	1.0%
51093	62,281	-778	-0.97%	44,052	70.7%	12,756	20.5%	12,119	19.5%	3,443	5.5%	217	0.3%	3,088	5.0%	101	0.1%	1,169	1.5%
51094	60,264	-742	-0.93%	36,779	61.0%	18,647	30.9%	17,735	29.4%	4,254	7.1%	305	0.4%	2,080	3.5%	117	0.1%	1,485	1.9%
51095	60,645	-343	-0.43%	26,657	44.0%	30,437	50.2%	29,594	48.8%	3,319	5.5%	283	0.4%	1,049	1.7%	61	0.1%	1,545	1.9%
51096	61,067	-793	-0.99%	49,447	81.0%	8,583	14.1%	8,227	13.5%	2,119	3.5%	192	0.2%	1,578	2.6%	57	0.1%	661	0.8%
51097	60,024	-624	-0.78%	51,473	85.8%	6,626	11.0%	6,433	10.7%	969	1.6%	451	0.6%	702	1.2%	20	0.0%	322	0.4%
51098	62,740	-759	-0.95%	50,614	80.7%	10,481	16.7%	10,201	16.3%	1,205	1.9%	322	0.4%	395	0.6%	17	0.0%	385	0.5%
51099	63,534	322	0.40%	46,161	72.7%	15,464	24.3%	15,150	23.8%	1,916	3.0%	278	0.3%	421	0.7%	22	0.0%	747	0.9%
51100	63,387	670	0.84%	41,814	66.0%	17,524	27.6%	17,066	26.9%	4,344	6.9%	322	0.4%	1,030	1.6%	104	0.1%	1,858	2.3%

EXHIBIT D

DECLARATION OF KEVIN J. HAMILTON

Plan Name: Plaintiffs' Remedial Plan A

Plan Type:

Date: 11/2/2018

Time: 1:15:03AM

Administrator:

Measures of Compactness

11/2/2018

Sum	N/A	N/A	N/A
Min	0.16	1.23	0.09
Max	0.62	2.95	0.63
Mean	0.37	1.89	0.26
Std. Dev.	0.11	0.31	0.10

DISTRICT	Reock	Schwartzberg	Polsby-Popper
51001	0.26	1.69	0.30
51002	0.30	2.17	0.18
51003	0.28	1.84	0.21
51004	0.49	1.97	0.20
51005	0.19	2.29	0.17
51006	0.27	1.82	0.26
51007	0.50	1.81	0.25
51008	0.47	1.83	0.26
51009	0.35	1.83	0.24
51010	0.23	2.16	0.18
51011	0.59	1.80	0.26
51012	0.39	1.95	0.22
51013	0.16	2.53	0.13
51014	0.24	2.34	0.16
51015	0.55	1.52	0.34
51016	0.36	2.11	0.18
51017	0.25	2.95	0.09
51018	0.62	1.92	0.24
51019	0.43	2.09	0.17
51020	0.27	2.28	0.15
51021	0.42	1.74	0.31
51022	0.20	2.59	0.11
51023	0.26	2.25	0.15
51024	0.44	1.78	0.25
51025	0.26	2.14	0.18
51026	0.46	1.57	0.36
51027	0.48	1.75	0.29
51028	0.39	1.82	0.26
51029	0.36	1.98	0.21
51030	0.53	1.49	0.36
51031	0.38	2.11	0.19
51032	0.46	1.64	0.31
51033	0.33	1.89	0.23
51034	0.24	1.91	0.22
51035	0.20	2.11	0.19
51036	0.43	1.66	0.30
51037	0.18	2.24	0.18
51038	0.62	1.44	0.45
51039	0.35	2.16	0.19
51040	0.26	2.20	0.17

Plan Name: Plaintiffs' Remedial Plan A

Plan Type:

User: Administrator

DISTRICT	Reock	Schwartzberg	Polsby-Popper
51041	0.36	1.72	0.32
51042	0.35	2.09	0.20
51043	0.22	2.10	0.21
51044	0.43	1.69	0.32
51045	0.29	1.81	0.26
51046	0.52	1.28	0.55
51047	0.41	1.73	0.33
51048	0.18	2.24	0.16
51049	0.24	2.35	0.16
51050	0.46	1.62	0.34
51051	0.24	2.15	0.18
51052	0.23	1.92	0.25
51053	0.46	1.69	0.34
51054	0.47	1.89	0.25
51055	0.57	1.69	0.28
51056	0.45	1.85	0.26
51057	0.45	1.47	0.41
51058	0.32	2.11	0.19
51059	0.30	1.98	0.21
51060	0.38	1.62	0.31
51061	0.32	2.21	0.17
51062	0.34	1.93	0.18
51063	0.59	1.27	0.51
51064	0.29	2.12	0.17
51065	0.49	1.57	0.35
51066	0.30	1.73	0.29
51067	0.32	1.84	0.25
51068	0.34	1.74	0.31
51069	0.46	1.65	0.35
51070	0.41	2.16	0.19
51071	0.38	1.76	0.30
51072	0.29	2.18	0.20
51073	0.39	1.93	0.24
51074	0.26	1.96	0.22
51075	0.41	1.56	0.32
51076	0.45	1.44	0.47
51077	0.26	1.99	0.25
51078	0.44	1.74	0.32
51079	0.44	1.76	0.27
51080	0.39	1.85	0.28
51081	0.37	1.81	0.28
51082	0.55	1.47	0.45
51083	0.44	1.72	0.32
51084	0.41	1.74	0.30
51085	0.39	1.89	0.27
51086	0.35	1.98	0.25
51087	0.22	2.30	0.17
51088	0.28	2.56	0.13
51089	0.50	1.47	0.43
51090	0.48	1.44	0.46
51091	0.48	1.41	0.49
51092	0.32	1.74	0.31
51093	0.21	2.45	0.15
51094	0.48	1.23	0.63
51095	0.25	1.69	0.34
51096	0.20	2.19	0.17

Plan Name: Plaintiff's Remedial Plan A
Plan Type: User: Administrator

DISTRICT	Reock	Schwartzberg	Polsby-Popper
51097	0.43	1.73	0.21
51098	0.28	1.78	0.26
51099	0.27	1.97	0.21
51100	0.29	1.51	0.39

EXHIBIT E

DECLARATION OF KEVIN J. HAMILTON

Plan Name: Plaintiffs' Remedial Plan A
Plan Type:
Administrator:

Political Subdivisions Split Between Districts

Friday November 2, 2018   12:16 AM

Number of subdivisions not split:

County   83
Voting District   2,291

Number of subdivisions split into more than one district:

County   51
Voting District   82

Number of subdivision splits which affect *no* population:

County   2
Voting District   3

Split Counts

County

Cases where an area is split among 2 Districts: 24
Cases where an area is split among 3 Districts: 14
Cases where an area is split among 4 Districts: 5
Cases where an area is split among 5 Districts: 1
Cases where an area is split among 6 Districts: 2
Cases where an area is split among 7 Districts: 3
Cases where an area is split among 8 Districts: 1
Cases where an area is split among 17 Districts: 1

Voting District

Cases where an area is split among 2 Districts: 80
Cases where an area is split among 3 Districts: 2

County	Voting District	District	Population
Split Counties :			
Albemarle VA		51025	21,420
Albemarle VA		51057	37,303
Albemarle VA		51058	30,929
Albemarle VA		51059	9,318
Alexandria City VA		51045	59,633
Alexandria City VA		51046	80,333
Amherst VA		51023	10,678
Amherst VA		51024	21,675
Arlington VA		51045	14,388

| Plan Name: | Plaintiffs' Remedial Plan A | Administrator: | | |
| Plan Type: | | User: | | |

County	Voting District	District	Population
Split Counties (continued):			
Arlington VA		51047	80,757
Arlington VA		51048	55,008
Arlington VA		51049	57,474
Augusta VA		51020	24,485
Augusta VA		51024	17,273
Augusta VA		51025	31,992
Bedford VA		51019	22,948
Bedford VA		51022	28,780
Bedford VA		51023	16,948
Botetourt VA		51017	4,449
Botetourt VA		51019	28,699
Campbell VA		51022	17,154
Campbell VA		51059	30,664
Campbell VA		51060	7,024
Caroline VA		51054	2,484
Caroline VA		51055	19,742
Caroline VA		51099	6,319
Chesapeake City VA		51021	5,030
Chesapeake City VA		51076	2,057
Chesapeake City VA		51077	80,448
Chesapeake City VA		51078	80,037
Chesapeake City VA		51080	21,946
Chesapeake City VA		51081	32,691
Chesterfield VA		51027	79,469
Chesterfield VA		51062	40,229
Chesterfield VA		51063	13,302
Chesterfield VA		51065	51,636
Chesterfield VA		51066	61,919
Chesterfield VA		51068	44,427
Chesterfield VA		51069	25,254
Clarke VA		51010	4,309
Clarke VA		51033	9,725
Culpeper VA		51018	12,895
Culpeper VA		51030	33,794
Fairfax VA		51034	53,301
Fairfax VA		51035	80,213
Fairfax VA		51036	79,746
Fairfax VA		51037	57,690
Fairfax VA		51038	80,758
Fairfax VA		51039	80,710
Fairfax VA		51040	66,026
Fairfax VA		51041	80,792
Fairfax VA		51042	79,964
Fairfax VA		51043	80,750
Fairfax VA		51044	80,796
Fairfax VA		51045	6,219
Fairfax VA		51048	24,484
Fairfax VA		51049	23,135
Fairfax VA		51053	67,717
Fairfax VA		51067	70,636

| Plan Name: | Plaintiffs' Remedial Plan A | Administrator: | | |
| Plan Type: | | User: | | |

County	Voting District	District	Population
Split Counties (continued)*:*			
Fairfax VA		51086	68,789
Fauquier VA		51018	40,915
Fauquier VA		51031	15,101
Fauquier VA		51088	9,187
Fluvanna VA		51056	7,231
Fluvanna VA		51058	18,460
Franklin VA		51009	46,650
Franklin VA		51022	9,509
Frederick VA		51010	13,649
Frederick VA		51029	43,969
Frederick VA		51033	20,687
Fredericksburg City VA		51028	8,950
Fredericksburg City VA		51088	15,336
Hampton City VA		51091	50,673
Hampton City VA		51092	79,959
Hampton City VA		51095	6,804
Hanover VA		51055	50,481
Hanover VA		51097	49,382
Henrico VA		51056	13,165
Henrico VA		51062	9,989
Henrico VA		51070	43,739
Henrico VA		51072	80,432
Henrico VA		51073	79,730
Henrico VA		51074	79,880
Henry VA		51009	15,434
Henry VA		51014	15,368
Henry VA		51016	23,349
James City VA		51093	20,694
James City VA		51096	46,315
King William VA		51097	11,575
King William VA		51098	4,360
Loudoun VA		51010	62,659
Loudoun VA		51032	80,268
Loudoun VA		51033	50,138
Loudoun VA		51034	27,421
Loudoun VA		51067	8,997
Loudoun VA		51086	11,958
Loudoun VA		51087	70,870
Lunenburg VA		51061	8,470
Lunenburg VA		51075	4,444
Lynchburg City VA		51022	23,864
Lynchburg City VA		51023	51,704
Montgomery VA		51007	35,026
Montgomery VA		51008	17,599
Montgomery VA		51012	41,767
Nelson VA		51020	7,776
Nelson VA		51059	7,244
Newport News City VA		51093	28,588
Newport News City VA		51094	79,268
Newport News City VA		51095	72,863

Plan Name:	Plaintiffs' Remedial Plan A	Administrator:		
Plan Type:		User:		

County	Voting District		District	Population
Split Counties (continued):				
Norfolk City VA			51079	42,660
Norfolk City VA			51083	5,271
Norfolk City VA			51089	80,517
Norfolk City VA			51090	79,228
Norfolk City VA			51100	35,127
Pittsylvania VA			51014	20,984
Pittsylvania VA			51016	42,522
Portsmouth City VA			51079	37,557
Portsmouth City VA			51080	57,978
Prince George VA			51062	0
Prince George VA			51063	5,713
Prince George VA			51064	30,012
Prince William VA			51002	45,961
Prince William VA			51013	66,306
Prince William VA			51031	64,109
Prince William VA			51040	14,703
Prince William VA			51050	42,856
Prince William VA			51051	80,372
Prince William VA			51052	79,290
Prince William VA			51087	8,405
Pulaski VA			51007	29,841
Pulaski VA			51012	5,031
Richmond City VA			51068	34,791
Richmond City VA			51069	54,235
Richmond City VA			51070	35,673
Richmond City VA			51071	79,515
Roanoke City VA			51011	80,132
Roanoke City VA			51017	16,900
Roanoke VA			51008	33,094
Roanoke VA			51017	59,282
Rockingham VA			51015	4,966
Rockingham VA			51025	26,599
Rockingham VA			51026	31,774
Rockingham VA			51058	12,975
Russell VA			51003	4,583
Russell VA			51004	24,314
Smyth VA			51005	11,877
Smyth VA			51006	20,331
Spotsylvania VA			51054	77,671
Spotsylvania VA			51055	9,355
Spotsylvania VA			51056	4,780
Spotsylvania VA			51088	30,591
Stafford VA			51002	33,530
Stafford VA			51028	70,354
Stafford VA			51088	25,077
Suffolk City VA			51064	7,112
Suffolk City VA			51076	77,473
Virginia Beach City VA			51021	74,578
Virginia Beach City VA			51081	48,000
Virginia Beach City VA			51082	79,504

Plan Name:	Plaintiffs' Remedial Plan A	Administrator:		
Plan Type:		User:		

County	Voting District		District	Population
Split Counties (continued)*:*				
Virginia Beach City VA			51083	75,503
Virginia Beach City VA			51084	79,655
Virginia Beach City VA			51085	80,754
Virginia Beach City VA			51100	0
Warren VA			51015	9,629
Warren VA			51018	18,267
Warren VA			51029	9,679
Washington VA			51004	26,563
Washington VA			51005	28,313
Wise VA			51001	27,786
Wise VA			51004	13,666
York VA			51091	16,680
York VA			51093	15,882
York VA			51096	32,902
Split VTDs :				
Albemarle VA	East Ivy		51025	1,145
Albemarle VA	East Ivy		51057	2,444
Albemarle VA	Free Bridge		51057	4,095
Albemarle VA	Free Bridge		51058	460
Amherst VA	Amelon		51023	1,337
Amherst VA	Amelon		51024	3,458
Amherst VA	Elon		51023	834
Amherst VA	Elon		51024	2,764
Arlington VA	Jefferson		51047	1,410
Arlington VA	Jefferson		51049	3,019
Arlington VA	Oakridge		51045	1,705
Arlington VA	Oakridge		51049	3,511
Augusta VA	Fishersville		51020	707
Augusta VA	Fishersville		51025	4,104
Augusta VA	White Hill		51020	1,157
Augusta VA	White Hill		51024	2,331
Bedford VA	Liberty High School		51019	838
Bedford VA	Liberty High School		51023	2,152
Bedford VA	Thaxton Elem School		51019	765
Bedford VA	Thaxton Elem School		51023	1,843
Chesapeake City VA	Bells Mill Ii		51078	546
Chesapeake City VA	Bells Mill Ii		51081	2,760
Chesterfield VA	Bailey Bridge		51027	4,061
Chesterfield VA	Bailey Bridge		51066	1,849
Chesterfield VA	Enon		51062	3,961
Chesterfield VA	Enon		51066	932
Chesterfield VA	Evergreen		51027	4,161
Chesterfield VA	Evergreen		51065	2,713
Chesterfield VA	Evergreen		51068	358
Clarke VA	Millwood		51010	1,693
Clarke VA	Millwood		51033	78
Fairfax VA	Baileys		51038	4,068
Fairfax VA	Baileys		51049	3,004
Fairfax VA	Belle Haven		51044	3,232

Plan Name:	Plaintiffs' Remedial Plan A	Administrator:		
Plan Type:		User:		

County	Voting District	District	Population
Split VTDs (continued)*:*			
Fairfax VA	Belle Haven	51045	179
Fairfax VA	Belvoir	51043	3,167
Fairfax VA	Belvoir	51044	2,216
Fairfax VA	Camelot	51039	1,381
Fairfax VA	Camelot	51053	407
Fairfax VA	Flint Hill	51035	2,035
Fairfax VA	Flint Hill	51036	3,897
Fairfax VA	Franklin	51067	1,228
Fairfax VA	Franklin	51086	3,530
Fairfax VA	Hayfield	51043	658
Fairfax VA	Hayfield	51044	3,178
Fairfax VA	Huntington	51043	5,464
Fairfax VA	Huntington	51045	320
Fairfax VA	Kinross	51067	3,186
Fairfax VA	Kinross	51086	3,128
Fairfax VA	Lake Braddock	51039	388
Fairfax VA	Lake Braddock	51041	6,417
Fairfax VA	Lane	51039	3,307
Fairfax VA	Lane	51043	2,015
Fairfax VA	Lees Corner West	51067	3,177
Fairfax VA	Lees Corner West	51086	2,463
Fairfax VA	London Towne West	51037	4,019
Fairfax VA	London Towne West	51040	1,825
Fairfax VA	Lorton	51042	0
Fairfax VA	Lorton	51043	4,353
Fairfax VA	Mosby	51035	2,906
Fairfax VA	Mosby	51037	6,928
Fairfax VA	Pohick	51041	3,303
Fairfax VA	Pohick	51042	2,489
Fairfax VA	Salona	51034	1,236
Fairfax VA	Salona	51048	2,387
Fairfax VA	Stone	51037	3,052
Fairfax VA	Stone	51067	2,902
Fairfax VA	Vale	51036	907
Fairfax VA	Vale	51067	3,094
Fairfax VA	Weyanoke	51038	5,130
Fairfax VA	Weyanoke	51039	1,022
Fairfax VA	Willow Springs	51037	3,327
Fairfax VA	Willow Springs	51040	3,764
Fairfax VA	Woodson	51037	4,956
Fairfax VA	Woodson	51041	2,358
Fairfax VA	Woodyard	51040	1,101
Fairfax VA	Woodyard	51042	1,646
Frederick VA	Parkins Mill	51010	6,942
Frederick VA	Parkins Mill	51029	1,263
Fredericksburg City VA	District 4	51028	698
Fredericksburg City VA	District 4	51088	1,523
Hampton City VA	Bethel	51091	4,800
Hampton City VA	Bethel	51095	548

Plan Name:	Plaintiffs' Remedial Plan A	Administrator:		
Plan Type:		User:		

County	Voting District	District	Population
Split VTDs (continued):			
Henrico VA	Pleasants	51070	4,243
Henrico VA	Pleasants	51074	1,046
Henry VA	Axton	51014	353
Henry VA	Axton	51016	1,782
King William VA	Courthouse	51097	2,129
King William VA	Courthouse	51098	143
Loudoun VA	Belmont Ridge	51010	3,034
Loudoun VA	Belmont Ridge	51032	4,058
Loudoun VA	Countryside	51032	948
Loudoun VA	Countryside	51087	1,928
Loudoun VA	Dulles South	51067	6,329
Loudoun VA	Dulles South	51087	11
Loudoun VA	Mill Run	51032	3,722
Loudoun VA	Mill Run	51087	1,180
Loudoun VA	Park View	51086	2,336
Loudoun VA	Park View	51087	2,766
Loudoun VA	Philomont	51010	1,402
Loudoun VA	Philomont	51033	1,105
Loudoun VA	Pinebrook	51010	2,399
Loudoun VA	Pinebrook	51087	2,325
Lunenburg VA	Brown's Store	51061	1,040
Lunenburg VA	Brown's Store	51075	265
Lunenburg VA	Peoples Community Center	51061	725
Lunenburg VA	Peoples Community Center	51075	207
Lunenburg VA	Rosebud	51061	557
Lunenburg VA	Rosebud	51075	747
Lunenburg VA	Victoria Public Library	51061	1,086
Lunenburg VA	Victoria Public Library	51075	1,336
Montgomery VA	E-1	51007	10,740
Montgomery VA	E-1	51012	654
Newport News City VA	Lee Hall	51093	3,023
Newport News City VA	Lee Hall	51094	6,789
Newport News City VA	McIntosh	51093	2,317
Newport News City VA	McIntosh	51094	2,340
Norfolk City VA	Lafayette-Winona	51089	1,026
Norfolk City VA	Lafayette-Winona	51090	2,339
Portsmouth City VA	Nine	51079	2,752
Portsmouth City VA	Nine	51080	402
Prince George VA	Courts Bldg	51062	0
Prince George VA	Courts Bldg	51064	3,810
Prince George VA	Templeton	51063	1,044
Prince George VA	Templeton	51064	3,579
Prince William VA	Alvey	51040	2,244
Prince William VA	Alvey	51087	4,913
Prince William VA	Battlefield	51013	80
Prince William VA	Battlefield	51040	5,599
Prince William VA	Benton	51031	2,848
Prince William VA	Benton	51051	1,805
Prince William VA	Godwin	51031	3,710

| Plan Name: | Plaintiffs' Remedial Plan A | | Administrator: | | |
| Plan Type: | | | User: | | |

County	Voting District	District	Population
Split VTDs (continued)*:*			
Prince William VA	Godwin	51052	4,449
Prince William VA	Henderson	51031	3,800
Prince William VA	Henderson	51052	2,700
Prince William VA	Minnieville	51031	456
Prince William VA	Minnieville	51052	4,819
Prince William VA	Stonewall	51013	5,472
Prince William VA	Stonewall	51050	1,141
Richmond City VA	707	51070	86
Richmond City VA	707	51071	5,576
Roanoke VA	Penn Forest	51008	1,911
Roanoke VA	Penn Forest	51017	417
Rockingham VA	Plains	51015	1,664
Rockingham VA	Plains	51026	1,998
Russell VA	Honaker	51003	1,463
Russell VA	Honaker	51004	2,591
Spotsylvania VA	Brokenburg	51054	1,530
Spotsylvania VA	Brokenburg	51055	1,384
Spotsylvania VA	Brokenburg	51056	1,562
Stafford VA	Hampton	51028	4,244
Stafford VA	Hampton	51088	1,168
Stafford VA	Whitson	51002	1,537
Stafford VA	Whitson	51088	3,512
Virginia Beach City VA	Aragona	51083	3,841
Virginia Beach City VA	Aragona	51085	3,439
Virginia Beach City VA	Chesapeake Beach	51083	8,310
Virginia Beach City VA	Chesapeake Beach	51100	0
Virginia Beach City VA	London Bridge	51082	4,803
Virginia Beach City VA	London Bridge	51084	763
Wise VA	East Pound	51001	1,168
Wise VA	East Pound	51004	1,416
York VA	Coventry	51091	3,668
York VA	Coventry	51093	5,134
York VA	Edgehill	51093	2,346
York VA	Edgehill	51096	2,989

EXHIBIT F

DECLARATION OF KEVIN J. HAMILTON

Plaintiffs' Remedial Plan B

York

James City

(093)

Surry

Poquoson City

(096)

Plaintiffs' Remedial Plan B

(091)

Newport News City

(094)

Hampton City

(095)

(092)

Isle of Wight

(064)

(100)

(079)

Norfolk City

Virginia Be...

Plaintiffs' Remedial Plan B

Isle of Wight

Newport News City

Hampton City

095

092

064

079

100

082

Norfolk City

083

089

090

076

Suffolk City

085

080

Portsmouth City

Virginia Beach City

077

021

084

Chesapeake City

078

081

EXHIBIT G

DECLARATION OF KEVIN J. HAMILTON

Plaintiffs' Remedial Plan B

Plaintiffs' Remedial Plan B

Plaintiffs' Remedial Plan B

Plaintiffs' Remedial Plan B

Plaintiffs' Remedial Plan B

Plaintiffs' Remedial Plan B

Suffolk City
Driver
Nansemond
Silverwood
Churchland
Thirty-Four
Twenty-Five
Twenty-Four
Twenty-Three
Thirty-Three
Eleven
Nine
Brambleton
Chesterfield
Norfolk City
Ingleside
090
Poplar Halls
Berkley
089
Campostella
Tanglewood
085
Sherry Park
Virginia Beach City
Avalon
Oaklette
Norfolk Highlands
College Park
Fellowship
Twenty-Nine
Thirteen
Thirty
Thirty-One
080
Portsmouth City
Twenty-Two
Twenty-One
Fourteen
Five
South Norfolk
Johnson Park
Bailey Creek
Thirty-Two
Twenty
Oscar Smith School
Providence
Georgetown
Indian River
Nansemond River
E. W. Chittum School
Twenty-Seven
Nineteen
Sixteen
Seventeen
Jolliff Middle School
Twenty-Eight
Seventeen
St. Julians
South Norfolk Recreation
Carver School
Jolliff One
076
Twenty-Six
Camelot
Sunray I
Chesapeake City
Geneva Park
Westover
River Birch
077
Gilmerton
Fairways
Sunray Ii
Crestwood
Parkways
Lake Drummond
B. M. Williams School
Greenbrier
Deep Creek
Shipyard Road
River Walk
078
Waterway
021
081
John T. West
Grassfield
Bells Mill Ii
Oak Grove
Bells Mill
Great Bridge
One

Plaintiffs' Remedial Plan B

Plaintiffs' Remedial Plan B

Plaintiffs Remedial Plan B

EXHIBIT H

DECLARATION OF KEVIN J. HAMILTON

Plaintiffs' Remedial Plan 8 Population Summary

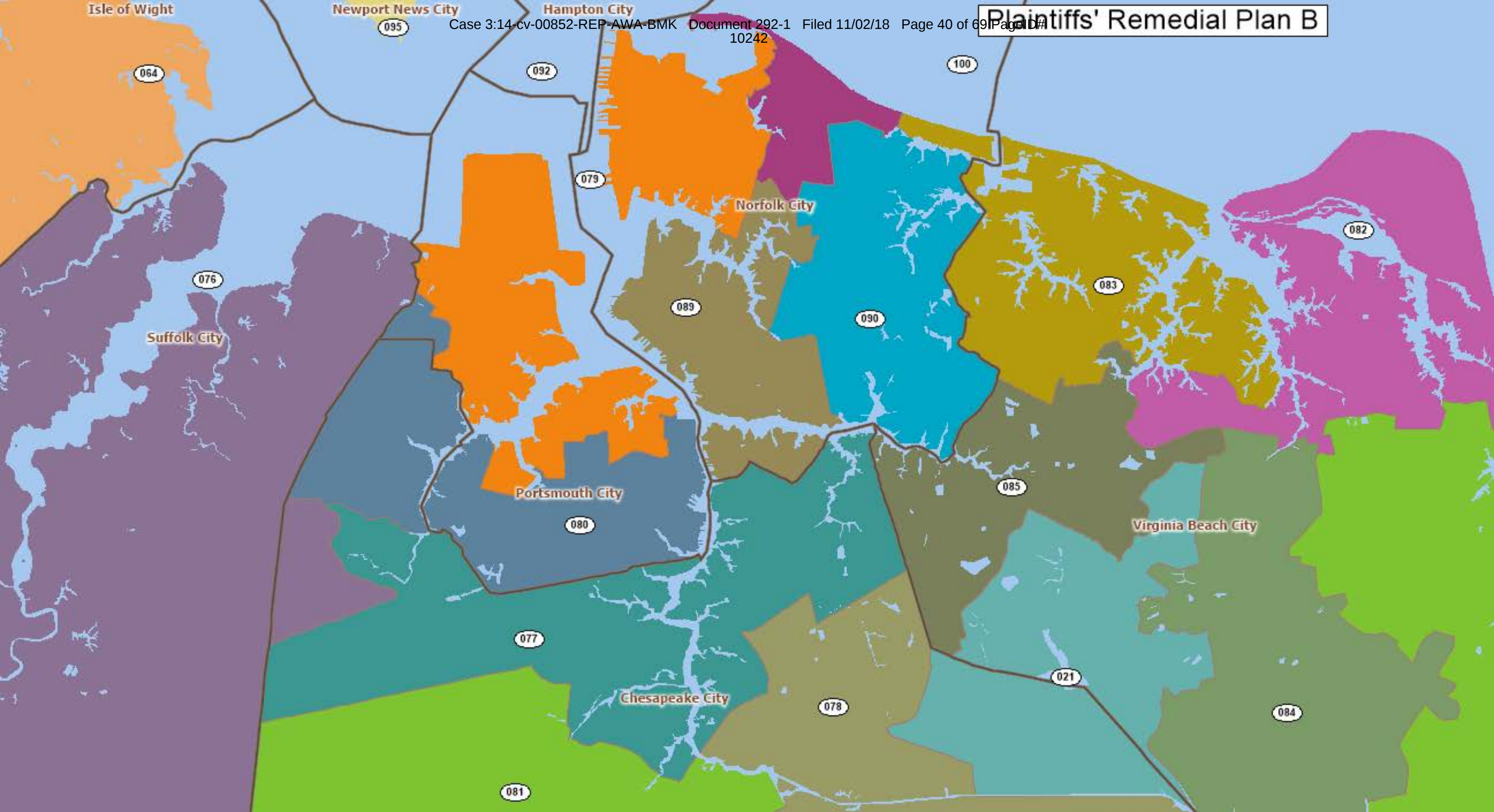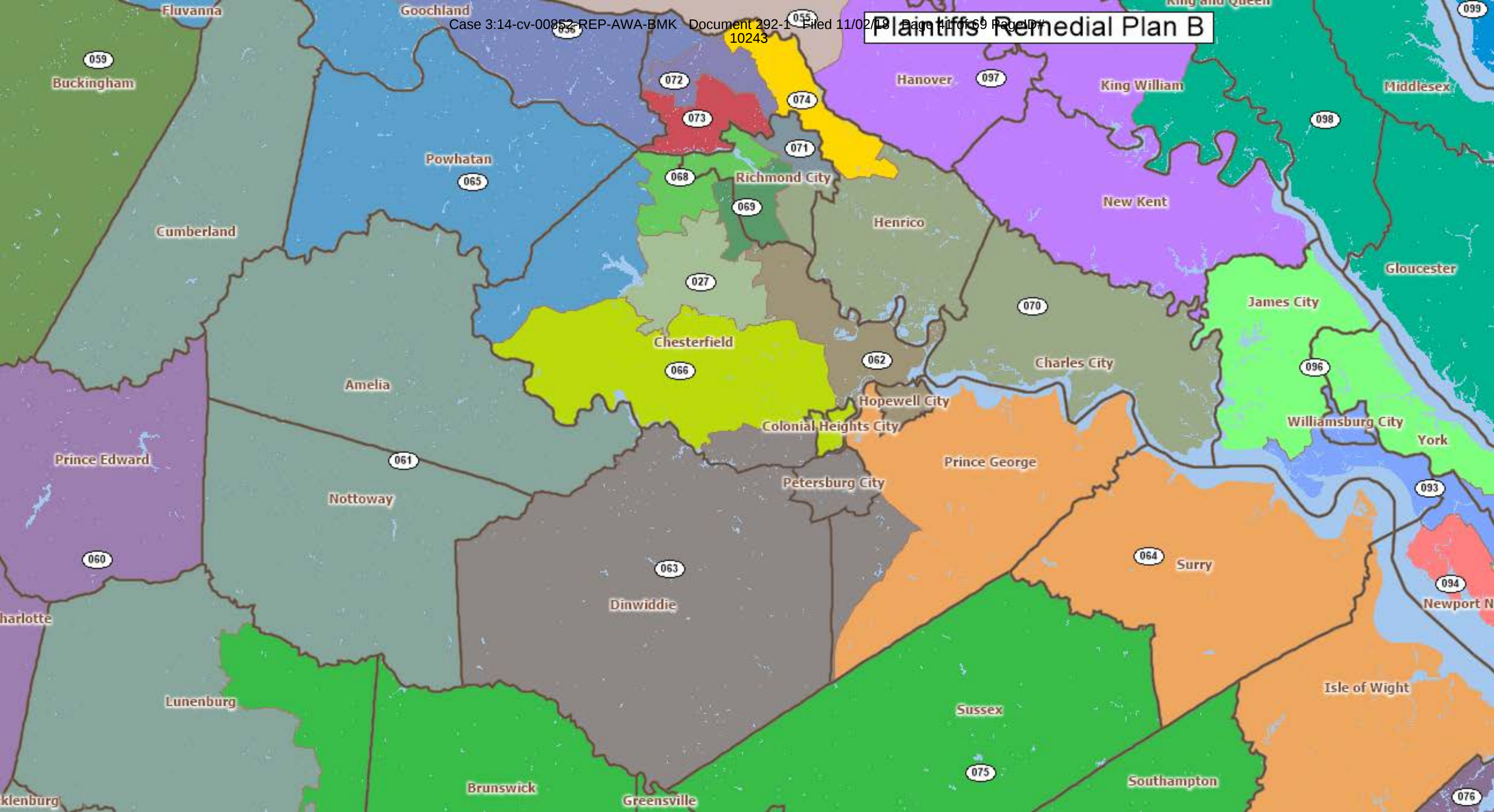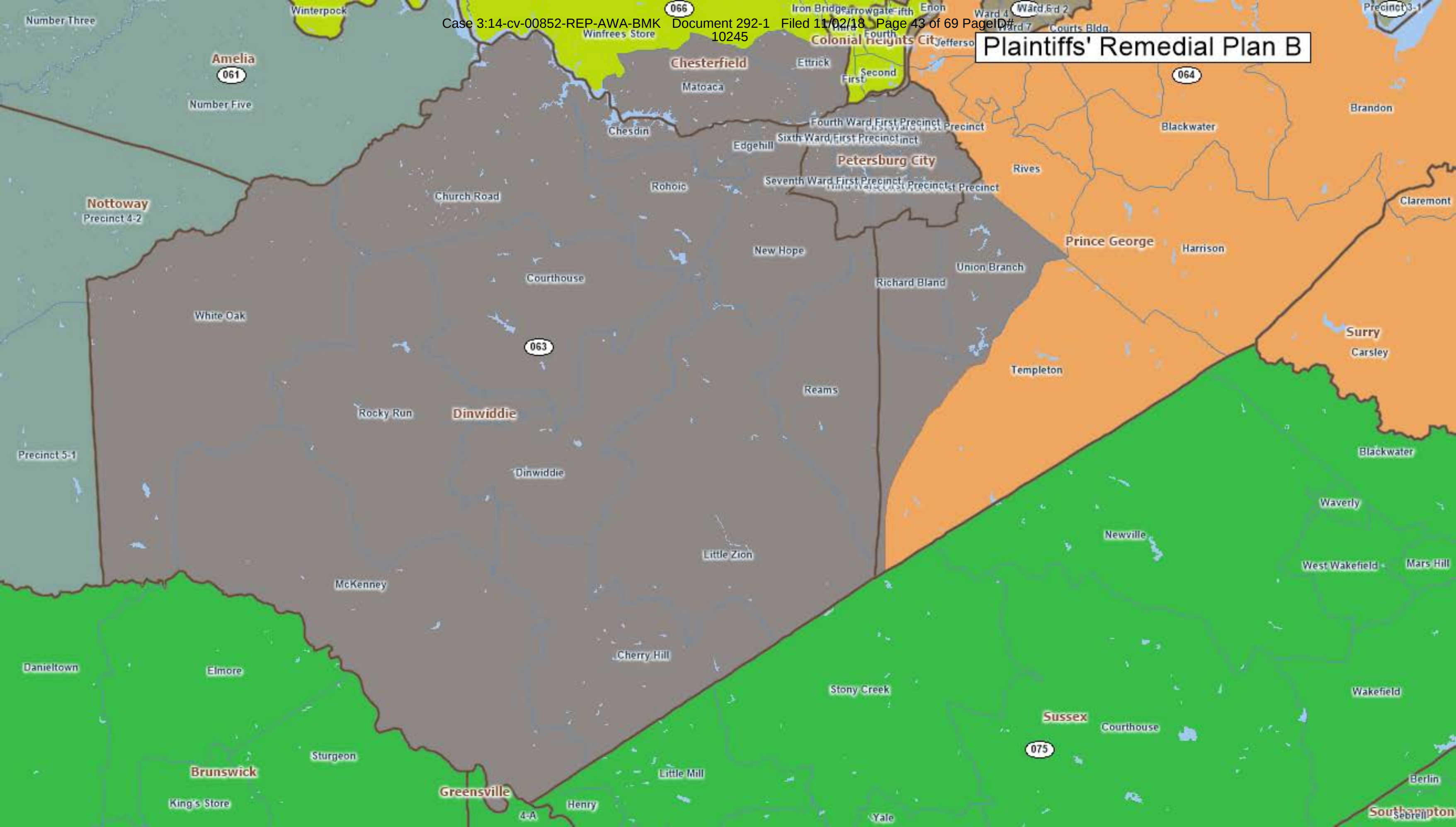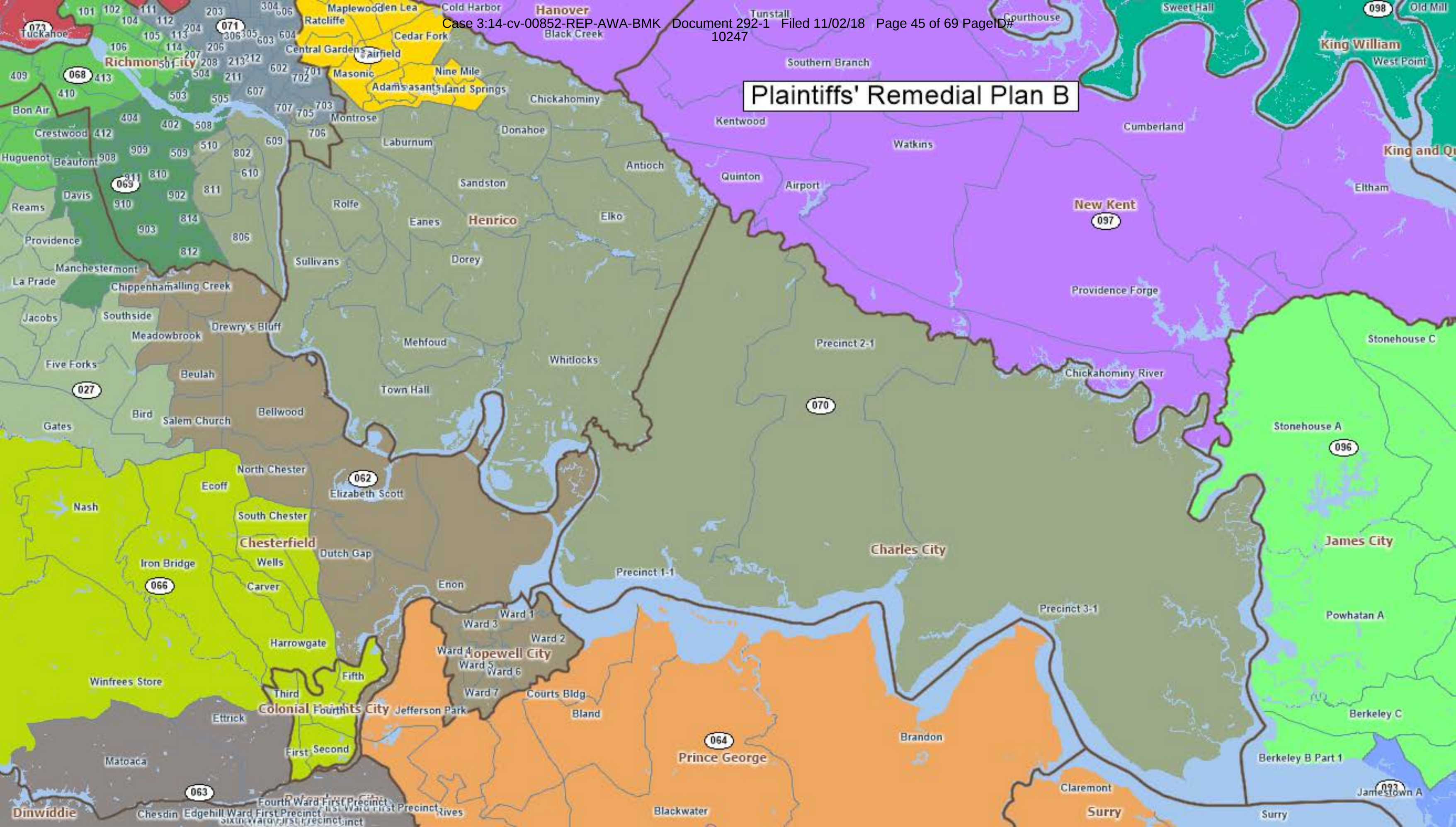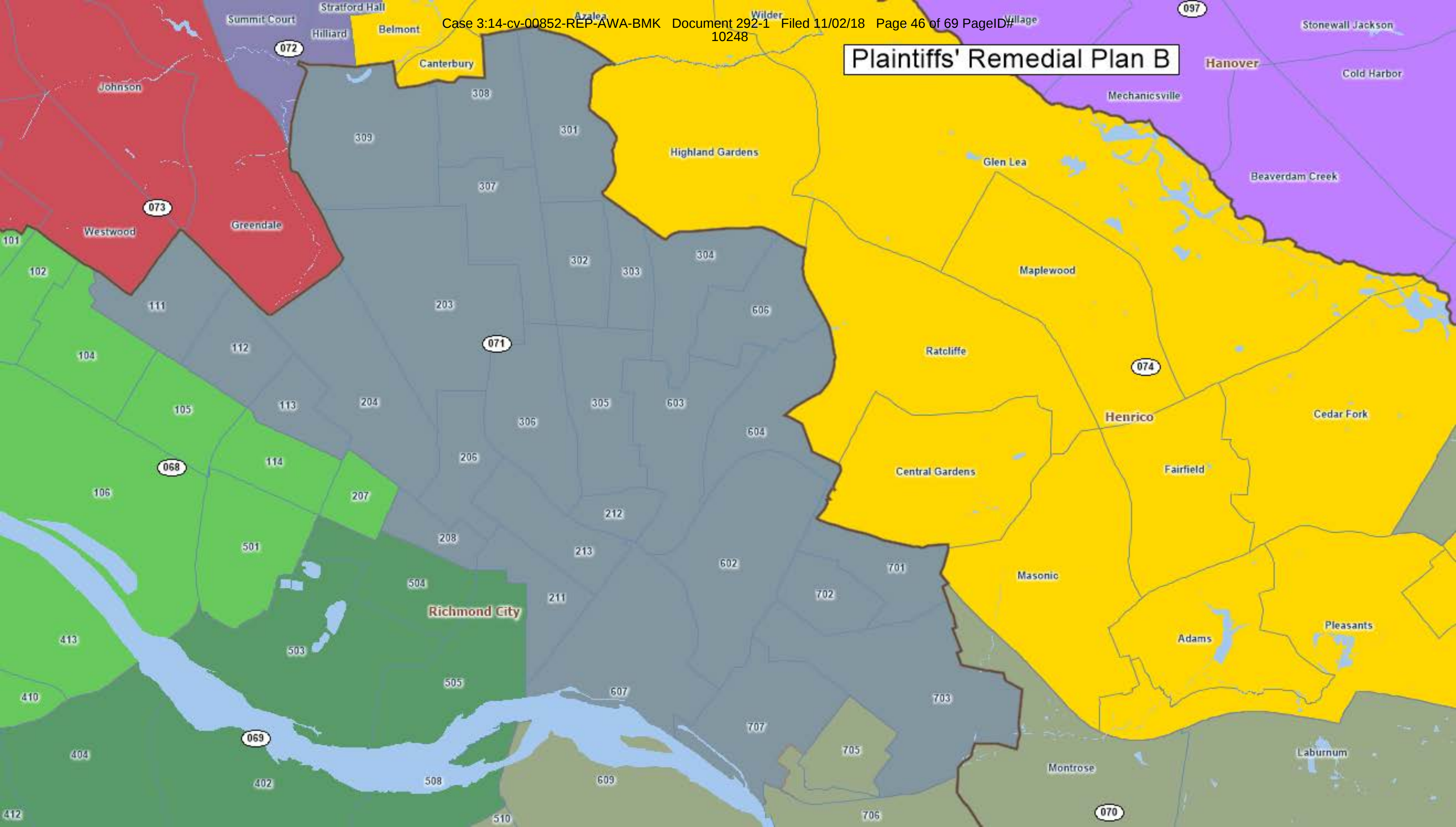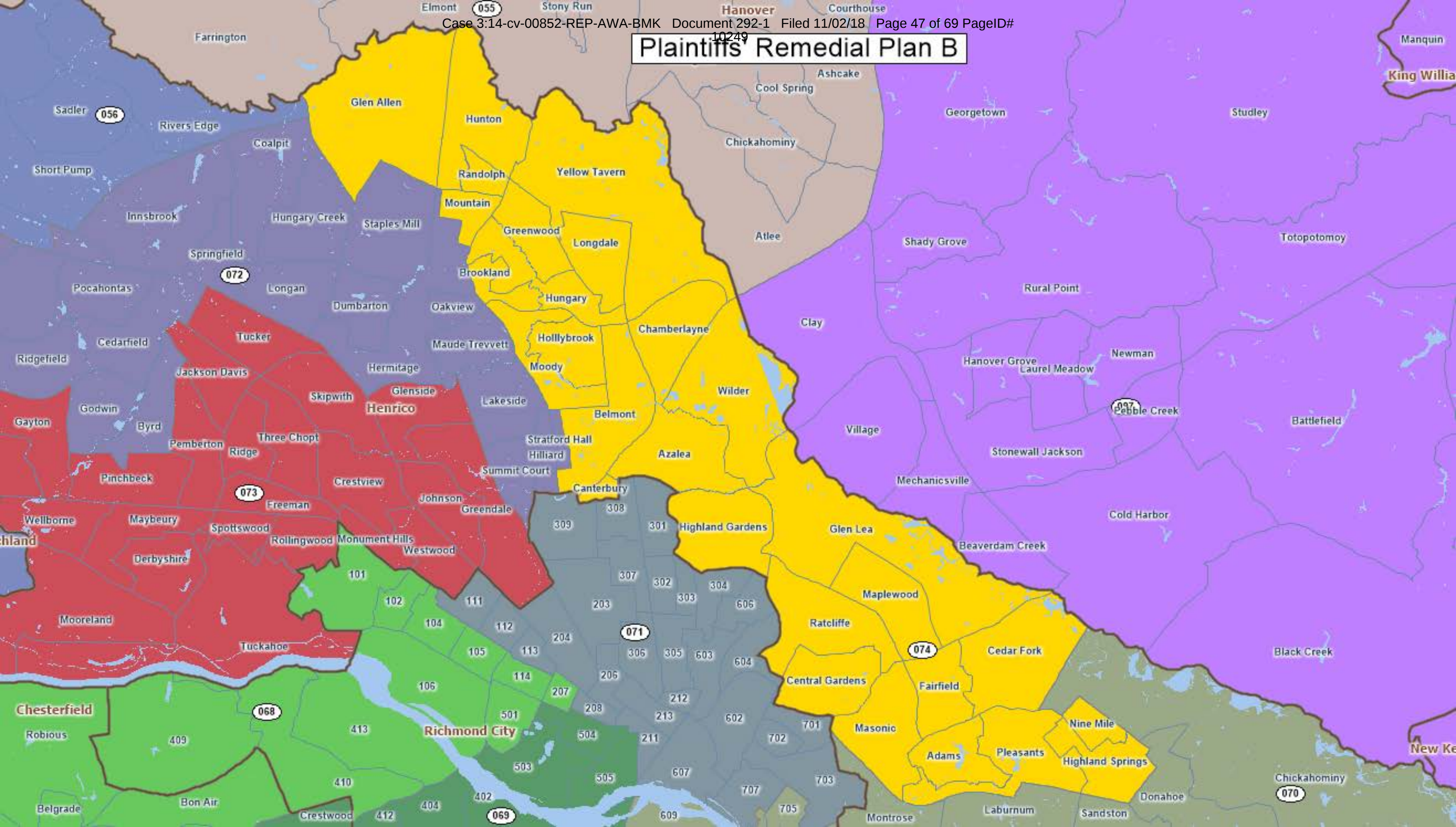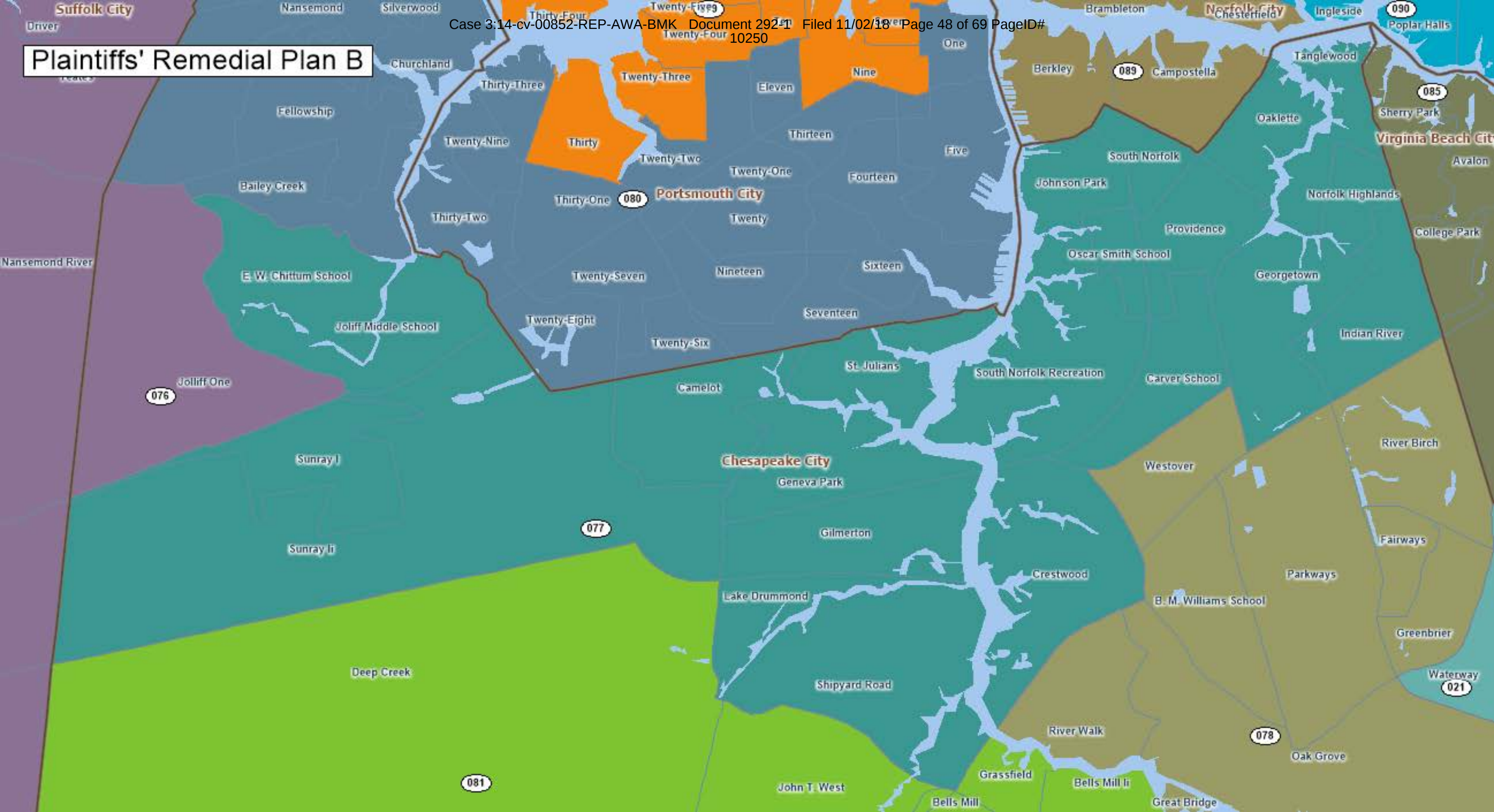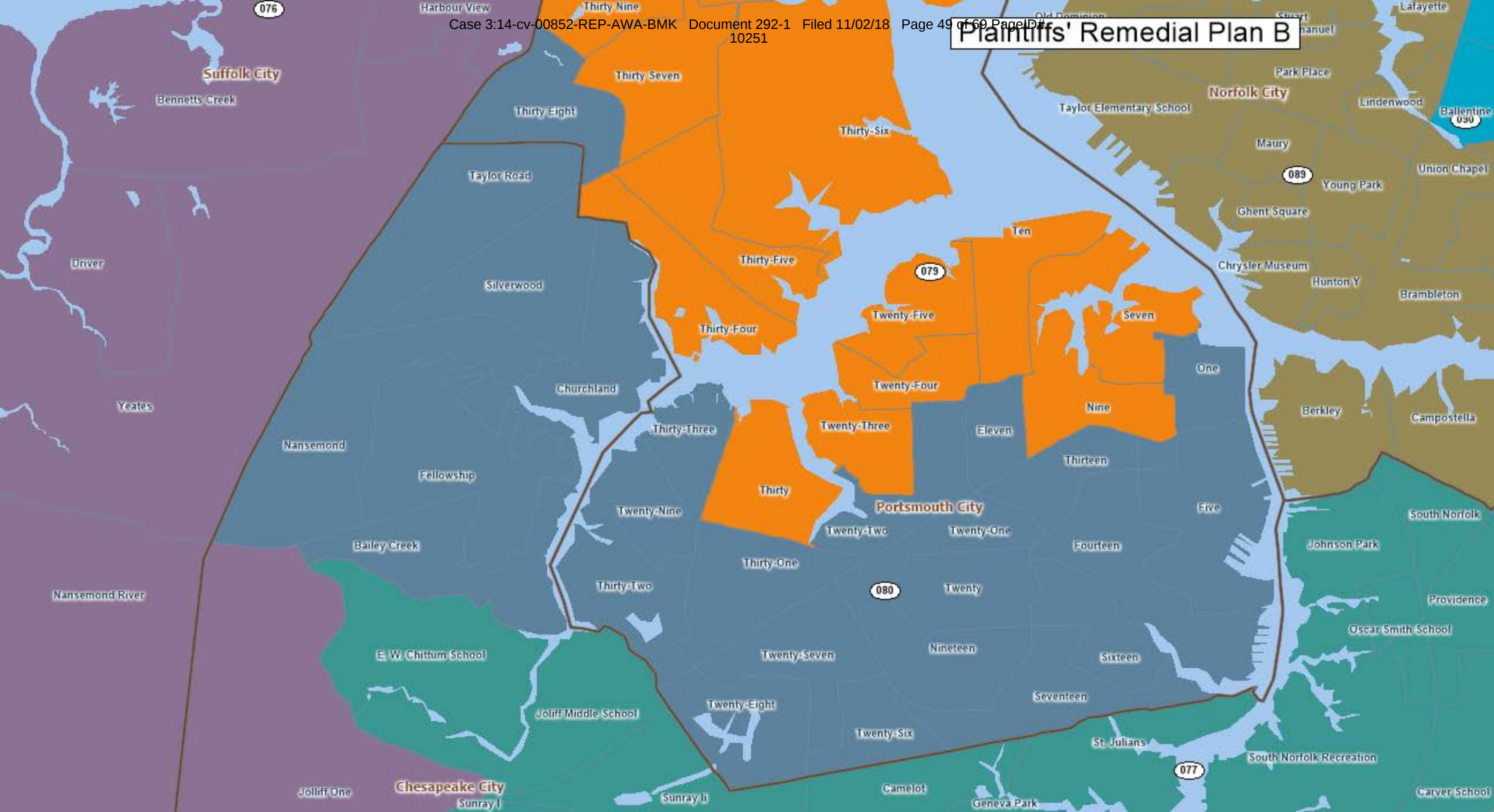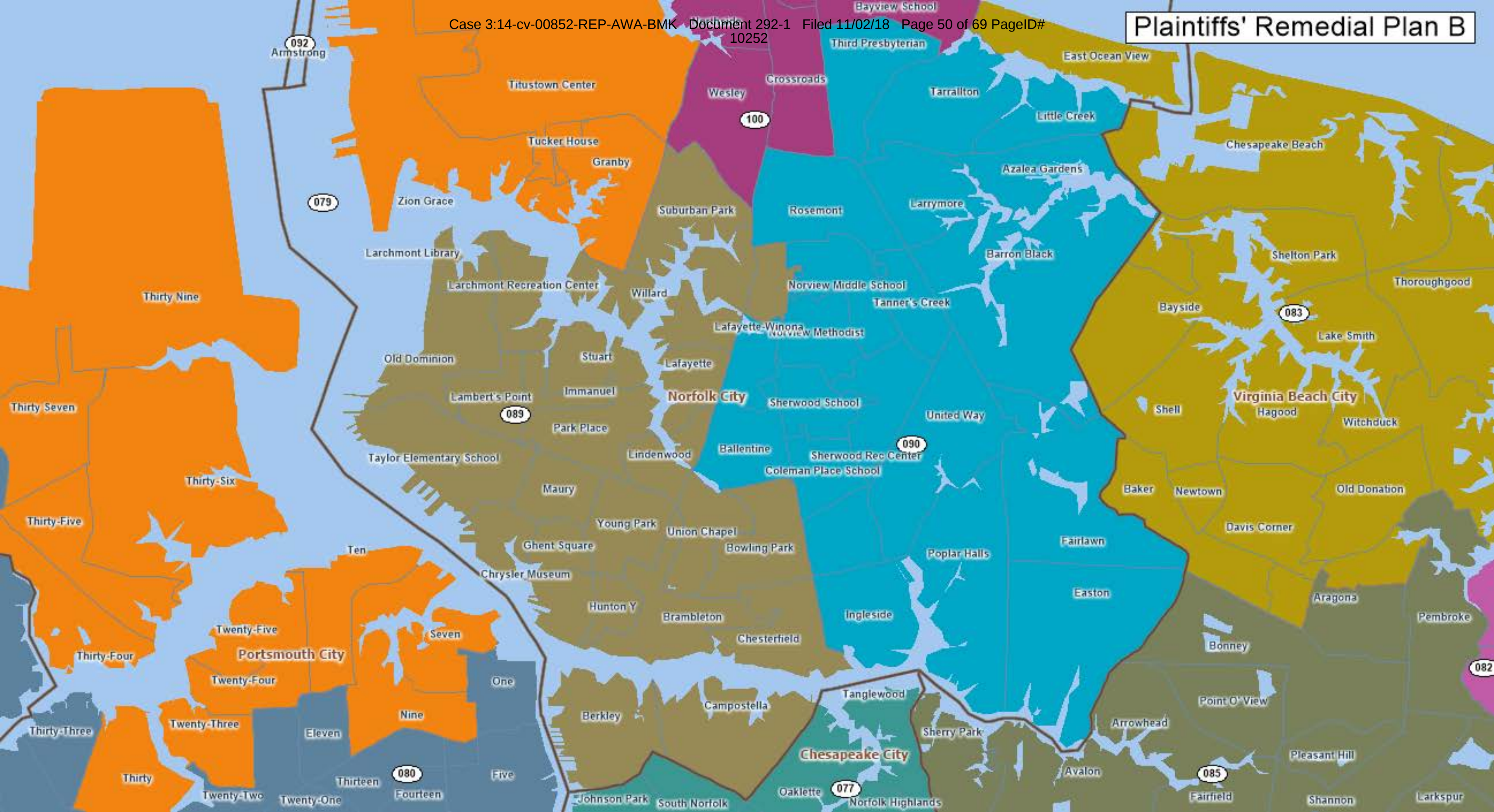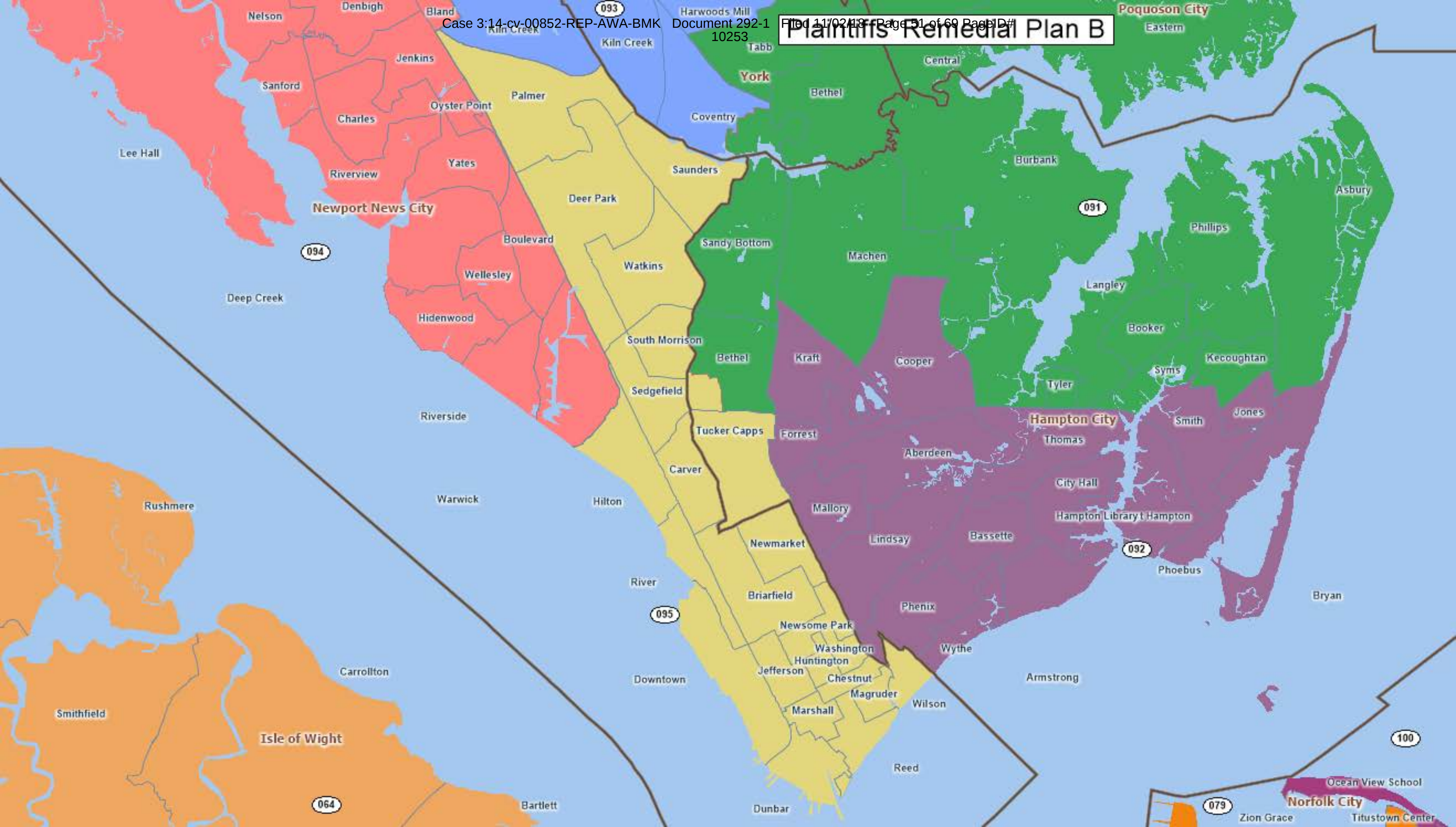| HD	Total Population	Deviation	% Deviation	White	% White	Black (alone or in Part)	% Black (alone or in Part)	Black	% Black	Hispanic	% Hispanic	AIAN	% AIAN	Asian	% Asian	HawPI	% HawPI	Other	% Other
51001	80,508	498	0.62%	76,238	94.7%	2,938	3.6%	2,642	3.3%	1,032	1.3%	198	0.2%	273	0.3%	21	0.0%	378	0.5%
51002	79,491	-519	-0.65%	45,289	57.0%	21,234	26.7%	19,305	24.3%	14,019	17.6%	389	0.5%	4,714	5.9%	143	0.2%	5,537	7.0%
51003	80,583	573	0.72%	77,178	95.8%	2,453	3.0%	2,187	2.7%	471	0.6%	89	0.1%	361	0.4%	10	0.0%	141	0.2%
51004	80,446	436	0.54%	77,768	96.7%	1,687	2.1%	1,487	1.8%	833	1.0%	127	0.2%	215	0.3%	9	0.0%	323	0.4%
51005	80,600	590	0.74%	76,060	94.4%	2,670	3.3%	2,217	2.8%	2,219	2.8%	149	0.2%	279	0.3%	24	0.0%	963	1.2%
51006	79,608	-402	-0.50%	76,371	95.9%	1,847	2.3%	1,491	1.9%	1,348	1.7%	144	0.2%	233	0.3%	11	0.0%	620	0.8%
51007	80,146	136	0.17%	74,108	92.5%	3,719	4.6%	3,148	3.9%	1,636	2.0%	144	0.2%	1,036	1.3%	18	0.0%	445	0.6%
51008	80,685	675	0.84%	74,011	91.7%	3,761	4.7%	3,262	4.0%	1,558	1.9%	167	0.2%	1,519	1.9%	18	0.0%	595	0.7%
51009	80,574	564	0.70%	69,709	86.5%	8,461	10.5%	7,855	9.7%	2,349	2.9%	205	0.3%	272	0.3%	13	0.0%	1,447	1.8%
51010	80,617	607	0.76%	60,881	75.5%	7,711	9.6%	6,650	8.2%	9,800	12.2%	276	0.3%	5,836	7.2%	34	0.0%	3,995	5.0%
51011	80,132	122	0.15%	47,632	59.4%	28,095	35.1%	26,464	33.0%	4,734	5.9%	213	0.3%	1,374	1.7%	49	0.1%	2,072	2.6%
51012	80,492	482	0.60%	70,200	87.2%	4,022	5.0%	3,428	4.3%	1,959	2.4%	160	0.2%	4,443	5.5%	22	0.0%	587	0.7%
51013	80,579	569	0.71%	48,642	60.4%	11,894	14.8%	10,402	12.9%	20,063	24.9%	397	0.5%	7,610	9.4%	65	0.1%	9,494	11.8%
51014	79,407	-603	-0.75%	47,862	60.3%	29,125	36.7%	28,510	35.9%	2,407	3.0%	145	0.2%	561	0.7%	24	0.0%	1,271	1.6%
51015	80,630	620	0.77%	75,913	94.1%	1,994	2.5%	1,507	1.9%	3,386	4.2%	189	0.2%	361	0.4%	17	0.0%	1,474	1.8%
51016	79,692	-318	-0.40%	54,827	68.8%	22,513	28.3%	21,837	27.4%	2,628	3.3%	189	0.2%	368	0.5%	7	0.0%	1,389	1.7%
51017	80,631	621	0.78%	71,273	88.4%	5,959	7.4%	5,176	6.4%	2,059	2.6%	157	0.2%	1,880	2.3%	22	0.0%	639	0.8%
51018	79,450	-560	-0.70%	69,073	86.9%	6,596	8.3%	5,720	7.2%	4,292	5.4%	260	0.3%	943	1.2%	45	0.1%	1,563	2.0%
51019	80,080	70	0.09%	73,554	91.9%	5,190	6.5%	4,655	5.8%	1,019	1.3%	217	0.3%	332	0.4%	20	0.0%	241	0.3%
51020	79,334	-676	-0.84%	69,268	87.3%	7,701	9.7%	6,665	8.4%	2,580	3.3%	173	0.2%	494	0.6%	21	0.0%	1,054	1.3%
51021	79,608	-402	-0.50%	45,487	57.1%	21,051	26.4%	19,164	24.1%	5,567	7.0%	225	0.3%	9,178	11.5%	95	0.1%	1,559	2.0%
51022	79,307	-703	-0.88%	59,135	74.6%	17,825	22.5%	17,029	21.5%	1,773	2.2%	192	0.2%	1,019	1.3%	26	0.0%	565	0.7%
51023	79,330	-680	-0.85%	62,083	78.3%	13,394	16.9%	12,524	15.8%	2,087	2.6%	313	0.4%	2,010	2.5%	34	0.0%	914	1.2%
51024	79,678	-332	-0.41%	70,684	88.7%	7,017	8.8%	6,459	8.1%	1,424	1.8%	428	0.5%	442	0.6%	21	0.0%	446	0.6%
51025	80,011	1	0.00%	73,736	92.2%	3,245	4.1%	2,727	3.4%	2,893	3.6%	148	0.2%	950	1.2%	11	0.0%	1,258	1.6%
51026	80,688	678	0.85%	67,806	84.0%	4,260	5.3%	3,531	4.4%	9,906	12.3%	264	0.3%	1,878	2.3%	64	0.1%	5,170	6.4%
51027	79,675	-335	-0.42%	52,878	66.4%	20,369	25.6%	19,073	23.9%	5,362	6.7%	328	0.4%	2,453	3.1%	41	0.1%	2,531	3.2%
51028	79,304	-706	-0.88%	56,206	70.9%	16,476	20.8%	14,841	18.7%	7,076	8.9%	403	0.5%	1,961	2.5%	85	0.1%	2,658	3.4%
51029	79,851	-159	-0.20%	68,575	85.9%	5,669	7.1%	4,732	5.9%	6,597	8.3%	248	0.3%	1,106	1.4%	20	0.0%	3,382	4.2%
51030	80,583	573	0.72%	62,914	78.1%	13,207	16.4%	11,938	14.8%	5,030	6.2%	275	0.3%	802	1.0%	59	0.1%	2,448	3.0%
51031	79,210	-800	-1.00%	50,345	63.6%	17,494	22.1%	15,955	20.1%	11,324	14.3%	470	0.6%	4,561	5.8%	130	0.2%	4,161	5.3%
51032	80,268	258	0.32%	55,738	69.4%	6,846	8.5%	5,929	7.4%	7,420	9.2%	213	0.3%	12,951	16.1%	40	0.0%	2,189	2.7%
51033	80,550	540	0.67%	70,393	87.4%	4,657	5.8%	3,883	4.8%	5,090	6.3%	194	0.2%	2,203	2.7%	47	0.1%	1,784	2.2%
51034	80,722	712	0.89%	61,693	76.4%	3,137	3.9%	2,618	3.2%	5,819	7.2%	152	0.2%	11,696	14.5%	37	0.0%	1,729	2.1%
51035	80,213	203	0.25%	53,780	67.0%	4,431	5.5%	3,816	4.8%	8,037	10.0%	212	0.3%	16,330	20.4%	56	0.1%	2,780	3.5%
51036	79,746	-264	-0.33%	53,210	66.7%	8,034	10.1%	7,138	9.0%	8,819	11.1%	247	0.3%	12,776	16.0%	32	0.0%	3,187	4.0%
51037	80,255	245	0.31%	47,377	59.0%	7,154	8.9%	6,282	7.8%	10,555	13.2%	258	0.3%	19,197	23.9%	47	0.1%	3,605	4.5%
51038	80,758	748	0.93%	42,448	52.6%	8,542	10.6%	7,896	9.8%	25,694	31.8%	508	0.6%	15,293	18.9%	63	0.1%	10,919	13.5%
51039	80,710	700	0.87%	46,876	58.1%	8,318	10.3%	7,585	9.4%	15,374	19.0%	384	0.5%	15,794	19.6%	77	0.1%	6,603	8.2%
51040	80,729	719	0.90%	55,837	69.2%	5,891	7.3%	5,095	6.3%	7,868	9.7%	240	0.3%	13,863	17.2%	78	0.1%	2,649	3.3%
51041	80,792	782	0.98%	54,579	67.6%	5,343	6.6%	4,637	5.7%	9,941	12.3%	183	0.2%	15,266	18.9%	62	0.1%	2,885	3.6%
51042	79,964	-46	-0.06%	55,174	69.0%	9,089	11.4%	8,114	10.1%	7,461	9.3%	261	0.3%	11,008	13.8%	104	0.1%	1,939	2.4%
51043	80,750	740	0.92%	47,821	59.2%	15,299	18.9%	14,109	17.5%	12,611	15.6%	291	0.4%	9,989	12.4%	81	0.1%	4,915	6.1%
51044	80,796	786	0.98%	44,799	55.4%	18,844	23.3%	17,690	21.9%	19,469	24.1%	413	0.5%	5,310	6.6%	90	0.1%	9,136	11.3%
51045	80,240	230	0.29%	59,905	74.7%	10,197	12.7%	9,434	11.8%	11,072	13.8%	363	0.5%	3,145	3.9%	63	0.1%	4,791	6.0%
51046	80,333	323	0.40%	41,531	51.7%	23,914	29.8%	22,577	28.1%	13,746	17.1%	293	0.4%	6,546	8.1%	87	0.1%	5,911	7.4%
51047	80,757	747	0.93%	61,673	76.4%	4,477	5.5%	3,900	4.8%	10,754	13.3%	427	0.5%	7,508	9.3%	56	0.1%	4,263	5.3%
51048	79,492	-518	-0.65%	63,919	80.4%	3,802	4.8%	3,291	4.1%	5,831	7.3%	179	0.2%	8,184	10.3%	48	0.1%	1,318	1.7%
51049	80,609	599	0.75%	42,754	53.0%	14,797	18.4%	13,754	17.1%	21,749	27.0%	497	0.6%	10,174	12.6%	105	0.1%	9,557	11.9%
51050	80,677	667	0.83%	50,040	62.0%	12,619	15.6%	11,036	13.7%	21,171	26.2%	450	0.6%	5,698	7.1%	114	0.1%	9,436	11.7%
51051	80,372	362	0.45%	55,264	68.8%	13,854	17.2%	12,462	15.5%	10,775	13.4%	444	0.6%	4,757	5.9%	85	0.1%	3,777	4.7%
51052	79,290	-720	-0.90%	33,564	42.3%	26,018	32.8%	23,892	30.1%	23,127	29.2%	663	0.8%	5,377	6.8%	99	0.1%	10,940	13.8%
51053	80,049	39	0.05%	48,549	60.6%	4,895	6.1%	4,294	5.4%	16,791	21.0%	400	0.5%	16,424	20.5%	45	0.1%	7,101	8.9%
51054	80,155	145	0.18%	58,394	72.9%	15,595	19.5%	14,128	17.6%	6,404	8.0%	283	0.4%	1,915	2.4%	86	0.1%	2,577	3.2%
51055	79,578	-432	-0.54%	63,245	79.5%	13,636	17.1%	12,766	16.0%	2,068	2.6%	305	0.4%	881	1.1%	36	0.0%	695	0.9%
51056	79,641	-369	-0.46%	62,464	78.4%	11,307	14.2%	10,499	13.2%	1,859	2.3%	212	0.3%	4,355	5.5%	24	0.0%	503	0.6%
51057	80,778	768	0.96%	55,937	69.2%	14,978	18.5%	13,861	17.2%	5,761	7.1%	250	0.3%	5,807	7.2%	49	0.1%	2,396	3.0%
51058	80,767	757	0.95%	71,271	88.2%	6,129	7.6%	5,290	6.5%	2,569	3.2%	160	0.2%	1,299	1.6%	20	0.0%	1,071	1.3%
51059	79,345	-665	-0.83%	61,136	77.1%	16,499	20.8%	15,647	19.7%	1,436	1.8%	203	0.3%	457	0.6%	34	0.0%	529	0.7%
51060	79,219	-791	-0.99%	50,287	63.5%	27,314	34.5%	26,636	33.6%	1,407	1.8%	227	0.3%	368	0.5%	22	0.0%	620	0.8%
51061	79,792	-218	-0.27%	50,089	62.8%	27,647	34.6%	26,906	33.7%	2,085	2.6%	259	0.3%	345	0.4%	23	0.0%	958	1.2%
51062	79,916	-94	-0.12%	45,082	56.4%	25,766	32.2%	24,391	30.5%	9,308	11.6%	421	0.5%	2,393	3.0%	97	0.1%	5,117	6.4%
51063	79,436	-574	-0.72%	32,019	40.3%	45,165	56.9%	44,174	55.6%	2,391	3.0%	245	0.3%	535	0.7%	37	0.0%	999	1.3%
51064	79,452	-558	-0.70%	52,144	65.6%	24,508	30.8%	23,500	29.6%	2,744	3.5%	359	0.5%	789	1.0%	119	0.1%	767	1.0%
51065	79,871	-139	-0.17%	65,874	82.5%	10,508	13.2%	9,876	12.4%	1,890	2.4%	167	0.2%	2,044	2.6%	29	0.0%	514	0.6%
51066	79,397	-613	-0.77%	60,025	75.6%	14,502	18.3%	13,536	17.0%	3,767	4.7%	298	0.4%	2,116	2.7%	46	0.1%	1,470	1.9%
51067	79,633	-377	-0.47%	53,298	66.9%	4,972	6.2%	4,333	5.4%	7,838	9.8%	142	0.2%	16,199	20.3%	75	0.1%	2,654	3.3%
51068	79,334	-676	-0.84%	65,701	82.8%	8,977	11.3%	8,330	10.5%	2,922	3.7%	193	0.2%	2,568	3.2%	23	0.0%	960	1.2%
51069	80,340	330	0.41%	27,681	34.5%	42,643	53.1%	41,317	51.4%	11,228	14.0%	408	0.5%	1,600	2.0%	100	0.1%	7,001	8.7%
51070	79,350	-660	-0.82%	29,522	37.2%	46,279	58.3%	45,096	56.8%	3,020	3.8%	925	1.2%	549	0.7%	48	0.1%	1,468	1.9%
51071	79,515	-495	-0.62%	30,507	38.4%	44,831	56.4%	43,728	55.0%	1,909	2.4%	203	0.3%	2,576	3.2%	38	0.0%	597	0.8%
51072	80,257	247	0.31%	57,681	71.9%	11,779	14.7%	10,908	13.6%	4,576	5.7%	215	0.3%	7,683	9.6%	30	0.0%	1,821	2.3%
51073	79,730	-280	-0.35%	58,639	73.5%	11,104	13.9%	10,286	12.9%	6,005	7.5%	234	0.3%	5,928	7.4%	39	0.0%	2,675	3.4%
51074	79,242	-768	-0.96%	25,109	31.7%	49,976	63.1%	48,632	61.4%	2,725	3.4%	230	0.3%	2,133	2.7%	41	0.1%	1,196	1.5%
51075	79,287	-723	-0.90%	35,158	44.3%	42,555	53.7%	41,910	52.9%	1,616	2.0%	203	0.3%	295	0.4%	24	0.0%	761	1.0%
51076	79,530	-480	-0.60%	40,644	51.1%	35,826	45.0%	34,734	43.7%	2,360	3.0%	248	0.3%	1,354	1.7%	52	0.1%	644	0.8%
51077	80,448	438	0.55%	35,638	44.3%	40,456	50.3%	39,019	48.5%	4,100	5.1%	331	0.4%	1,388	1.7%	60	0.1%	1,541	1.9%
51078	80,037	27	0.03%	59,510	74.4%	14,949	18.7%	13,932	17.4%	3,395	4.2%	333	0.4%	2,979	3.7%	49	0.1%	750	0.9%
51079	80,217	207	0.26%	46,482	57.9%	27,375	34.1%	26,253	32.7%	5,989	7.5%	563	0.7%	2,242	2.8%	187	0.2%	1,734	2.2%

51080	79,924	-86	-0.11%	32,607	40.8%	44,098	55.2%	42,761	53.5%	2,389	3.0%	336	0.4%	1,229	1.5%	102	0.1%	820	1.0%
51081	80,691	681	0.85%	60,992	75.6%	14,384	17.8%	13,174	16.3%	4,450	5.5%	298	0.4%	2,119	2.6%	96	0.1%	1,245	1.5%
51082	79,504	-506	-0.63%	64,133	80.7%	10,250	12.9%	9,023	11.3%	4,668	5.9%	309	0.4%	2,043	2.6%	98	0.1%	1,350	1.7%
51083	80,774	764	0.95%	53,040	65.7%	20,669	25.6%	19,256	23.8%	5,123	6.3%	332	0.4%	3,478	4.3%	133	0.2%	1,647	2.0%
51084	79,655	-355	-0.44%	50,866	63.9%	18,664	23.4%	17,068	21.4%	6,111	7.7%	301	0.4%	5,968	7.5%	160	0.2%	1,730	2.2%
51085	80,754	744	0.93%	52,551	65.1%	19,037	23.6%	17,489	21.7%	5,050	6.3%	378	0.5%	5,295	6.6%	117	0.1%	1,634	2.0%
51086	80,747	737	0.92%	46,400	57.5%	7,132	8.8%	6,369	7.9%	17,163	21.3%	351	0.4%	15,998	19.8%	42	0.1%	8,162	10.1%
51087	79,275	-735	-0.92%	44,093	55.6%	7,429	9.4%	6,483	8.2%	11,761	14.8%	236	0.3%	19,678	24.8%	54	0.1%	5,109	6.4%
51088	80,191	181	0.23%	60,158	75.0%	12,879	16.1%	11,480	14.3%	7,188	9.0%	261	0.3%	2,106	2.6%	95	0.1%	3,356	4.2%
51089	80,517	507	0.63%	31,318	38.9%	45,497	56.5%	44,279	55.0%	2,558	3.2%	232	0.3%	1,913	2.4%	56	0.1%	751	0.9%
51090	79,228	-782	-0.98%	33,391	42.1%	38,860	49.0%	37,049	46.8%	5,285	6.7%	341	0.4%	3,379	4.3%	114	0.1%	1,859	2.3%
51091	79,503	-507	-0.63%	51,706	65.0%	22,177	27.9%	20,508	25.8%	3,604	4.5%	332	0.4%	2,719	3.4%	94	0.1%	1,009	1.3%
51092	79,959	-51	-0.06%	27,332	34.2%	49,076	61.4%	47,056	58.9%	3,528	4.4%	347	0.4%	1,317	1.6%	82	0.1%	1,037	1.3%
51093	79,232	-778	-0.97%	53,806	67.9%	18,041	22.8%	16,524	20.9%	5,061	6.4%	268	0.3%	3,804	4.8%	137	0.2%	1,673	2.1%
51094	79,268	-742	-0.93%	45,286	57.1%	27,456	34.6%	25,249	31.9%	6,442	8.1%	389	0.5%	2,547	3.2%	159	0.2%	2,051	2.6%
51095	79,667	-343	-0.43%	32,062	40.2%	42,862	53.8%	40,935	51.4%	4,917	6.2%	367	0.5%	1,271	1.6%	81	0.1%	2,105	2.6%
51096	79,217	-793	-0.99%	62,755	79.2%	11,949	15.1%	10,948	13.8%	3,357	4.2%	266	0.3%	2,069	2.6%	78	0.1%	1,001	1.3%
51097	79,386	-624	-0.78%	67,533	85.1%	8,951	11.3%	8,379	10.6%	1,606	2.0%	597	0.8%	947	1.2%	29	0.0%	503	0.6%
51098	79,251	-759	-0.95%	63,155	79.7%	13,769	17.4%	12,959	16.4%	1,870	2.4%	403	0.5%	519	0.7%	23	0.0%	536	0.7%
51099	80,332	322	0.40%	56,801	70.7%	20,709	25.8%	19,785	24.6%	2,971	3.7%	353	0.4%	551	0.7%	27	0.0%	1,183	1.5%
51100	80,680	670	0.84%	50,700	62.8%	24,232	30.0%	23,019	28.5%	6,746	8.4%	403	0.5%	1,280	1.6%	125	0.2%	2,785	3.5%

Plaintiffs' Remedial Plan B Voting Age Population Summary

HD	Voting Age Population	Deviation	% Deviation	White	% White	Black (alone or in Part)	% Black (alone or in Part)	Black	% Black	Hispanic	% Hispanic	AIAN	% AIAN	Asian	% Asian	HawPI	% HawPI	Other	% Other
51001	64,221	498	0.62%	60,648	94.4%	2,537	4.0%	2,428	3.8%	754	1.2%	170	0.2%	226	0.4%	12	0.0%	284	0.4%
51002	56,163	-519	-0.65%	33,408	59.5%	14,095	25.1%	13,382	23.8%	8,879	15.8%	264	0.3%	3,477	6.2%	100	0.1%	3,616	4.5%
51003	64,745	573	0.72%	62,065	95.9%	1,965	3.0%	1,883	2.9%	327	0.5%	70	0.1%	294	0.5%	8	0.0%	83	0.1%
51004	64,195	436	0.54%	62,070	96.7%	1,399	2.2%	1,319	2.1%	541	0.8%	97	0.1%	161	0.3%	3	0.0%	230	0.3%
51005	64,337	590	0.74%	61,274	95.2%	1,769	2.7%	1,656	2.6%	1,353	2.1%	117	0.1%	211	0.3%	18	0.0%	622	0.8%
51006	62,988	-402	-0.50%	60,788	96.5%	1,263	2.0%	1,165	1.8%	813	1.3%	113	0.1%	171	0.3%	11	0.0%	374	0.5%
51007	64,401	136	0.17%	59,855	92.9%	2,681	4.2%	2,479	3.8%	1,137	1.8%	114	0.1%	922	1.4%	18	0.0%	302	0.4%
51008	63,208	675	0.84%	58,658	92.8%	2,576	4.1%	2,427	3.8%	1,012	1.6%	128	0.2%	1,064	1.7%	16	0.0%	397	0.5%
51009	64,142	564	0.70%	56,131	87.5%	6,436	10.0%	6,309	9.8%	1,388	2.2%	165	0.2%	208	0.3%	13	0.0%	896	1.1%
51010	57,050	607	0.76%	44,095	77.3%	5,113	9.0%	4,769	8.4%	6,259	11.0%	173	0.2%	4,041	7.1%	28	0.0%	2,676	3.3%
51011	62,356	122	0.15%	39,559	63.4%	19,679	31.6%	19,127	30.7%	3,146	5.0%	174	0.2%	1,049	1.7%	33	0.0%	1,402	1.7%
51012	69,034	482	0.60%	60,408	87.5%	3,206	4.6%	2,888	4.2%	1,618	2.3%	138	0.2%	3,927	5.7%	22	0.0%	484	0.6%
51013	58,290	569	0.71%	36,735	63.0%	7,965	13.7%	7,432	12.8%	12,955	22.2%	288	0.4%	5,600	9.6%	46	0.1%	6,227	7.7%
51014	62,379	-603	-0.75%	39,414	63.2%	21,395	34.3%	21,176	33.9%	1,461	2.3%	114	0.1%	415	0.7%	15	0.0%	774	1.0%
51015	62,907	620	0.77%	59,863	95.2%	1,249	2.0%	1,132	1.8%	2,048	3.3%	150	0.2%	281	0.4%	14	0.0%	920	1.1%
51016	63,086	-318	-0.40%	44,381	70.4%	17,193	27.3%	16,985	26.9%	1,595	2.5%	143	0.2%	276	0.4%	5	0.0%	849	1.1%
51017	63,576	621	0.78%	57,265	90.1%	3,957	6.2%	3,751	5.9%	1,309	2.1%	118	0.1%	1,368	2.2%	19	0.0%	412	0.5%
51018	59,686	-560	-0.70%	52,508	88.0%	4,711	7.9%	4,468	7.5%	2,635	4.4%	195	0.2%	686	1.1%	36	0.0%	990	1.2%
51019	62,844	70	0.09%	58,171	92.6%	3,776	6.0%	3,642	5.8%	639	1.0%	160	0.2%	249	0.4%	15	0.0%	140	0.2%
51020	62,717	-676	-0.84%	55,842	89.0%	5,334	8.5%	5,030	8.0%	1,608	2.6%	138	0.2%	390	0.6%	16	0.0%	614	0.8%
51021	58,656	-402	-0.50%	34,776	59.3%	14,351	24.5%	13,706	23.4%	3,432	5.9%	163	0.2%	7,249	12.4%	69	0.1%	1,080	1.4%
51022	61,467	-703	-0.88%	47,057	76.6%	12,754	20.7%	12,479	20.3%	1,179	1.9%	155	0.2%	729	1.2%	21	0.0%	385	0.5%
51023	63,982	-680	-0.85%	51,425	80.4%	9,722	15.2%	9,408	14.7%	1,543	2.4%	264	0.3%	1,473	2.3%	28	0.0%	680	0.9%
51024	64,424	-332	-0.41%	57,333	89.0%	5,604	8.7%	5,395	8.4%	990	1.5%	316	0.4%	375	0.6%	19	0.0%	327	0.4%
51025	61,585	1	0.00%	57,373	93.2%	2,289	3.7%	2,140	3.5%	1,717	2.8%	101	0.1%	656	1.1%	10	0.0%	783	1.0%
51026	65,566	678	0.85%	56,466	86.1%	3,020	4.6%	2,714	4.1%	6,380	9.7%	193	0.2%	1,609	2.5%	62	0.1%	3,382	4.2%
51027	59,300	-335	-0.42%	41,068	69.3%	13,897	23.4%	13,465	22.7%	3,347	5.6%	254	0.3%	1,853	3.1%	32	0.0%	1,618	2.0%
51028	58,388	-706	-0.88%	43,126	73.9%	10,909	18.7%	10,399	17.8%	4,374	7.5%	298	0.4%	1,491	2.6%	56	0.1%	1,689	2.1%
51029	61,320	-159	-0.20%	53,930	87.9%	3,749	6.1%	3,482	5.7%	4,035	6.6%	181	0.2%	849	1.4%	16	0.0%	2,074	2.6%
51030	61,276	573	0.72%	48,944	79.9%	9,439	15.4%	9,097	14.8%	3,171	5.2%	202	0.3%	595	1.0%	42	0.1%	1,541	1.9%
51031	56,743	-800	-1.00%	37,294	65.7%	11,839	20.9%	11,228	19.8%	7,182	12.7%	307	0.4%	3,361	5.9%	102	0.1%	2,740	3.5%
51032	55,263	258	0.32%	39,133	70.8%	4,550	8.2%	4,228	7.7%	4,881	8.8%	122	0.2%	8,777	15.9%	32	0.0%	1,500	1.9%
51033	57,140	540	0.67%	50,780	88.9%	2,931	5.1%	2,723	4.8%	3,123	5.5%	135	0.2%	1,542	2.7%	38	0.0%	1,127	1.4%
51034	57,978	712	0.89%	44,921	77.5%	2,153	3.7%	1,954	3.4%	3,835	6.6%	108	0.1%	8,542	14.7%	29	0.0%	1,138	1.4%
51035	62,743	203	0.25%	42,985	68.5%	3,374	5.4%	3,058	4.9%	5,932	9.5%	146	0.2%	12,585	20.1%	51	0.1%	2,065	2.6%
51036	61,859	-264	-0.33%	43,038	69.6%	5,581	9.0%	5,178	8.4%	6,069	9.8%	164	0.2%	9,533	15.4%	29	0.0%	2,172	2.7%
51037	63,480	245	0.31%	38,998	61.4%	5,321	8.4%	4,882	7.7%	7,714	12.2%	191	0.2%	14,688	23.1%	39	0.0%	2,639	3.3%
51038	62,463	748	0.93%	33,887	54.3%	6,100	9.8%	5,761	9.2%	18,684	29.9%	367	0.5%	12,217	19.6%	41	0.1%	7,851	9.7%
51039	61,870	700	0.87%	37,283	60.3%	5,810	9.4%	5,479	8.9%	10,921	17.7%	265	0.3%	12,080	19.5%	58	0.1%	4,758	5.9%
51040	58,415	719	0.90%	41,056	70.3%	3,998	6.8%	3,675	6.3%	5,322	9.1%	169	0.2%	10,133	17.3%	52	0.1%	1,856	2.3%
51041	60,765	782	0.98%	41,973	69.1%	3,586	5.9%	3,348	5.5%	6,992	11.5%	128	0.2%	11,598	19.1%	46	0.1%	2,058	2.5%
51042	58,066	-46	-0.06%	41,053	70.7%	5,871	10.1%	5,523	9.5%	4,910	8.5%	182	0.2%	8,295	14.3%	75	0.1%	1,309	1.6%
51043	62,318	740	0.92%	38,605	61.9%	10,967	17.6%	10,418	16.7%	8,829	14.2%	202	0.3%	7,668	12.3%	65	0.1%	3,407	4.2%
51044	59,112	786	0.98%	33,967	57.5%	13,291	22.5%	12,763	21.6%	12,893	21.8%	268	0.3%	4,055	6.9%	63	0.1%	6,186	7.7%
51045	67,692	230	0.29%	51,797	76.5%	8,015	11.8%	7,546	11.1%	8,358	12.3%	296	0.4%	2,791	4.1%	57	0.1%	3,534	4.4%
51046	66,262	323	0.40%	35,868	54.1%	18,779	28.3%	17,958	27.1%	10,253	15.5%	238	0.3%	5,512	8.3%	74	0.1%	4,315	5.4%
51047	68,384	747	0.93%	53,109	77.7%	3,562	5.2%	3,223	4.7%	8,449	12.4%	345	0.4%	6,473	9.5%	42	0.1%	3,328	4.1%
51048	64,068	-518	-0.65%	51,895	81.0%	3,124	4.9%	2,799	4.4%	4,435	6.9%	148	0.2%	6,686	10.4%	42	0.1%	1,000	1.3%
51049	66,373	599	0.75%	36,838	55.5%	11,477	17.3%	10,818	16.3%	16,346	24.6%	390	0.5%	8,469	12.8%	79	0.1%	7,129	8.8%
51050	55,689	667	0.83%	35,574	63.9%	8,254	14.8%	7,710	13.8%	13,405	24.1%	274	0.3%	4,143	7.4%	77	0.1%	6,115	7.6%
51051	58,448	362	0.45%	41,641	71.2%	9,240	15.8%	8,738	15.0%	6,847	11.7%	311	0.4%	3,531	6.0%	67	0.1%	2,469	3.1%
51052	56,592	-720	-0.90%	25,644	45.3%	17,626	31.1%	16,793	29.7%	14,987	26.5%	414	0.5%	4,033	7.1%	80	0.1%	7,219	9.1%
51053	62,827	39	0.05%	39,121	62.3%	3,592	5.7%	3,292	5.2%	12,306	19.6%	284	0.4%	13,039	20.8%	40	0.1%	5,151	6.4%
51054	57,249	145	0.18%	42,858	74.9%	10,372	18.1%	9,896	17.3%	3,932	6.9%	202	0.3%	1,416	2.5%	57	0.1%	1,657	2.1%
51055	59,680	-432	-0.54%	47,737	80.0%	10,144	17.0%	9,821	16.5%	1,335	2.2%	228	0.3%	663	1.1%	24	0.0%	462	0.6%
51056	59,215	-369	-0.46%	46,783	79.0%	8,666	14.6%	8,406	14.2%	1,107	1.9%	153	0.2%	2,896	4.9%	21	0.0%	295	0.4%
51057	68,024	768	0.96%	48,829	71.8%	11,068	16.3%	10,520	15.5%	4,207	6.2%	188	0.2%	5,186	7.6%	34	0.0%	1,682	2.1%
51058	61,395	757	0.95%	54,936	89.5%	4,329	7.1%	4,117	6.7%	1,524	2.5%	110	0.1%	940	1.5%	17	0.0%	642	0.8%
51059	62,208	-665	-0.83%	48,415	77.8%	12,582	20.2%	12,344	19.8%	941	1.5%	172	0.2%	340	0.5%	26	0.0%	361	0.5%
51060	62,712	-791	-0.99%	41,036	65.4%	20,528	32.7%	20,290	32.4%	927	1.5%	190	0.2%	289	0.5%	19	0.0%	389	0.5%
51061	63,280	-218	-0.27%	40,447	63.9%	21,387	33.8%	21,112	33.4%	1,421	2.2%	204	0.3%	258	0.4%	15	0.0%	657	0.8%
51062	59,456	-94	-0.12%	35,685	60.0%	17,431	29.3%	16,925	28.5%	6,069	10.2%	323	0.4%	1,880	3.2%	64	0.1%	3,453	4.3%
51063	62,461	-574	-0.72%	25,695	41.1%	35,129	56.2%	34,613	55.4%	1,578	2.5%	203	0.3%	443	0.7%	28	0.0%	677	0.9%
51064	61,617	-558	-0.70%	41,079	66.7%	18,572	30.1%	18,163	29.5%	1,821	3.0%	291	0.4%	637	1.0%	72	0.1%	530	0.7%
51065	59,390	-139	-0.17%	49,180	82.8%	7,963	13.4%	7,754	13.1%	1,184	2.0%	128	0.2%	1,414	2.4%	20	0.0%	332	0.4%
51066	58,534	-613	-0.77%	45,692	78.1%	9,572	16.4%	9,245	15.8%	2,278	3.9%	216	0.3%	1,626	2.8%	42	0.1%	895	1.1%
51067	57,154	-377	-0.47%	39,122	68.5%	3,391	5.9%	3,116	5.5%	5,329	9.3%	105	0.1%	11,455	20.0%	55	0.1%	1,841	2.3%
51068	62,977	-676	-0.84%	52,913	84.0%	6,698	10.6%	6,403	10.2%	1,978	3.1%	138	0.2%	2,015	3.2%	15	0.0%	665	0.8%
51069	62,908	330	0.41%	23,938	38.1%	31,428	50.0%	30,751	48.9%	7,969	12.7%	316	0.4%	1,438	2.3%	73	0.1%	5,052	6.3%
51070	60,305	-660	-0.82%	24,680	40.9%	33,035	54.8%	32,442	53.8%	1,990	3.3%	743	0.9%	465	0.8%	35	0.0%	982	1.2%
51071	66,240	-495	-0.62%	28,142	42.5%	34,180	51.6%	33,396	50.4%	1,628	2.5%	179	0.2%	2,509	3.8%	32	0.0%	506	0.6%
51072	61,588	247	0.31%	45,426	73.8%	8,589	13.9%	8,264	13.4%	3,053	5.0%	157	0.2%	5,571	9.0%	21	0.0%	1,222	1.5%
51073	62,345	-280	-0.35%	46,958	75.3%	8,011	12.8%	7,661	12.3%	4,158	6.7%	162	0.2%	4,588	7.4%	28	0.0%	1,898	2.4%
51074	59,860	-768	-0.96%	21,246	35.5%	35,699	59.6%	35,105	58.6%	1,755	2.9%	177	0.2%	1,582	2.6%	27	0.0%	792	1.0%
51075	63,665	-723	-0.90%	29,002	45.6%	33,556	52.7%	33,315	52.3%	1,066	1.7%	154	0.2%	239	0.4%	18	0.0%	516	0.7%
51076	58,364	-480	-0.60%	31,344	53.7%	24,998	42.8%	24,593	42.1%	1,447	2.5%	178	0.2%	1,015	1.7%	31	0.0%	431	0.5%
51077	58,834	438	0.55%	27,757	47.2%	27,991	47.6%	27,445	46.6%	2,634	4.5%	252	0.3%	1,073	1.8%	48	0.1%	1,160	1.4%
51078	60,316	27	0.03%	45,422	75.3%	11,068	18.4%	10,711	17.8%	2,127	3.5%	251	0.3%	2,294	3.8%	37	0.0%	519	0.6%
51079	66,380	207	0.26%	39,913	60.1%	21,110	31.8%	20,649	31.1%	4,858	7.3%	494	0.6%	1,987	3.0%	155	0.2%	1,483	1.8%

51080	60,143	-86	-0.11%	26,160	43.5%	31,588	52.5%	31,021	51.6%	1,616	2.7%	254	0.3%	988	1.6%	73	0.1%	643	0.8%
51081	59,929	681	0.85%	46,145	77.0%	10,247	17.1%	9,827	16.4%	2,736	4.6%	247	0.3%	1,606	2.7%	75	0.1%	833	1.0%
51082	62,865	-506	-0.63%	52,024	82.8%	7,125	11.3%	6,572	10.5%	3,146	5.0%	245	0.3%	1,644	2.6%	78	0.1%	973	1.2%
51083	62,705	764	0.95%	43,306	69.1%	14,282	22.8%	13,702	21.9%	3,440	5.5%	252	0.3%	2,769	4.4%	82	0.1%	1,174	1.5%
51084	58,375	-355	-0.44%	38,245	65.5%	12,905	22.1%	12,315	21.1%	3,880	6.6%	235	0.3%	4,662	8.0%	122	0.2%	1,205	1.5%
51085	62,044	744	0.93%	42,008	67.7%	13,228	21.3%	12,636	20.4%	3,335	5.4%	294	0.4%	4,279	6.9%	102	0.1%	1,171	1.5%
51086	59,286	737	0.92%	34,944	58.9%	5,108	8.6%	4,802	8.1%	12,059	20.3%	219	0.3%	11,609	19.6%	33	0.0%	5,779	7.2%
51087	55,787	-735	-0.92%	32,124	57.6%	5,006	9.0%	4,654	8.3%	7,895	14.2%	147	0.2%	13,563	24.3%	42	0.1%	3,505	4.4%
51088	58,354	181	0.23%	45,104	77.3%	8,479	14.5%	7,991	13.7%	4,545	7.8%	197	0.2%	1,584	2.7%	78	0.1%	2,206	2.8%
51089	62,820	507	0.63%	26,850	42.7%	32,912	52.4%	32,204	51.3%	1,899	3.0%	192	0.2%	1,700	2.7%	47	0.1%	577	0.7%
51090	60,733	-782	-0.98%	27,546	45.4%	27,979	46.1%	27,252	44.9%	3,513	5.8%	273	0.3%	2,736	4.5%	92	0.1%	1,350	1.7%
51091	58,986	-507	-0.63%	39,836	67.5%	15,250	25.9%	14,558	24.7%	2,217	3.8%	229	0.3%	2,108	3.6%	74	0.1%	671	0.8%
51092	62,382	-51	-0.06%	22,724	36.4%	36,972	59.3%	35,936	57.6%	2,373	3.8%	282	0.4%	1,067	1.7%	64	0.1%	766	1.0%
51093	62,281	-778	-0.97%	44,052	70.7%	12,756	20.5%	12,119	19.5%	3,443	5.5%	217	0.3%	3,088	5.0%	101	0.1%	1,169	1.5%
51094	60,264	-742	-0.93%	36,779	61.0%	18,647	30.9%	17,735	29.4%	4,254	7.1%	305	0.4%	2,080	3.5%	117	0.1%	1,485	1.9%
51095	60,645	-343	-0.43%	26,657	44.0%	30,437	50.2%	29,594	48.8%	3,319	5.5%	283	0.4%	1,049	1.7%	61	0.1%	1,545	1.9%
51096	61,067	-793	-0.99%	49,447	81.0%	8,583	14.1%	8,227	13.5%	2,119	3.5%	192	0.2%	1,578	2.6%	57	0.1%	661	0.8%
51097	60,024	-624	-0.78%	51,473	85.8%	6,626	11.0%	6,433	10.7%	969	1.6%	451	0.6%	702	1.2%	20	0.0%	322	0.4%
51098	62,740	-759	-0.95%	50,614	80.7%	10,481	16.7%	10,201	16.3%	1,205	1.9%	322	0.4%	395	0.6%	17	0.0%	385	0.5%
51099	63,534	322	0.40%	46,161	72.7%	15,464	24.3%	15,150	23.8%	1,916	3.0%	278	0.3%	421	0.7%	22	0.0%	747	0.9%
51100	63,387	670	0.84%	41,814	66.0%	17,524	27.6%	17,066	26.9%	4,344	6.9%	322	0.4%	1,030	1.6%	104	0.1%	1,858	2.3%

EXHIBIT I

DECLARATION OF KEVIN J. HAMILTON

Plan Name: Plaintiffs' Remedial Plan B

Plan Type:

Date: 11/2/2018

Time: 1:31:20AM

Administrator:

Measures of Compactness

11/2/2018

Sum	N/A	N/A	N/A
Min	0.16	1.23	0.09
Max	0.62	2.95	0.63
Mean	0.36	1.90	0.26
Std. Dev.	0.11	0.31	0.10

DISTRICT	Reock	Schwartzberg	Polsby-Popper
51001	0.26	1.69	0.30
51002	0.30	2.17	0.18
51003	0.28	1.84	0.21
51004	0.49	1.97	0.20
51005	0.19	2.29	0.17
51006	0.27	1.82	0.26
51007	0.50	1.81	0.25
51008	0.47	1.83	0.26
51009	0.35	1.83	0.24
51010	0.23	2.16	0.18
51011	0.59	1.80	0.26
51012	0.39	1.95	0.22
51013	0.16	2.53	0.13
51014	0.24	2.34	0.16
51015	0.55	1.52	0.34
51016	0.36	2.11	0.18
51017	0.25	2.95	0.09
51018	0.62	1.92	0.24
51019	0.43	2.09	0.17
51020	0.27	2.28	0.15
51021	0.42	1.74	0.31
51022	0.20	2.59	0.11
51023	0.26	2.25	0.15
51024	0.44	1.78	0.25
51025	0.26	2.14	0.18
51026	0.46	1.57	0.36
51027	0.50	1.93	0.24
51028	0.39	1.82	0.26
51029	0.36	1.98	0.21
51030	0.53	1.49	0.36
51031	0.38	2.11	0.19
51032	0.46	1.64	0.31
51033	0.33	1.89	0.23
51034	0.24	1.91	0.22
51035	0.20	2.11	0.19
51036	0.43	1.66	0.30
51037	0.18	2.24	0.18
51038	0.62	1.44	0.45
51039	0.35	2.16	0.19
51040	0.26	2.20	0.17

Plan Name: Plaintiffs' Remedial Plan B
Plan Type:
Administrator
User:

DISTRICT	Reock	Schwartzberg	Polsby-Popper
51041	0.36	1.72	0.32
51042	0.35	2.09	0.20
51043	0.22	2.10	0.21
51044	0.43	1.69	0.32
51045	0.29	1.81	0.26
51046	0.52	1.28	0.55
51047	0.41	1.73	0.33
51048	0.18	2.24	0.16
51049	0.24	2.35	0.16
51050	0.46	1.62	0.34
51051	0.24	2.15	0.18
51052	0.23	1.92	0.25
51053	0.46	1.69	0.34
51054	0.47	1.89	0.25
51055	0.57	1.69	0.28
51056	0.37	1.87	0.25
51057	0.45	1.47	0.41
51058	0.32	2.11	0.19
51059	0.30	1.98	0.21
51060	0.38	1.62	0.31
51061	0.32	2.21	0.17
51062	0.30	2.52	0.12
51063	0.59	1.27	0.51
51064	0.29	2.12	0.17
51065	0.34	1.88	0.25
51066	0.31	1.79	0.27
51067	0.32	1.84	0.25
51068	0.36	1.98	0.24
51069	0.46	1.60	0.37
51070	0.30	1.78	0.20
51071	0.38	1.78	0.29
51072	0.32	1.96	0.25
51073	0.39	1.93	0.24
51074	0.21	1.93	0.22
51075	0.41	1.56	0.32
51076	0.45	1.44	0.47
51077	0.26	1.99	0.25
51078	0.44	1.74	0.32
51079	0.44	1.76	0.27
51080	0.39	1.85	0.28
51081	0.37	1.81	0.28
51082	0.55	1.47	0.45
51083	0.44	1.72	0.32
51084	0.41	1.74	0.30
51085	0.39	1.89	0.27
51086	0.35	1.98	0.25
51087	0.22	2.30	0.17
51088	0.28	2.56	0.13
51089	0.50	1.47	0.43
51090	0.48	1.44	0.46
51091	0.48	1.41	0.49
51092	0.32	1.74	0.31
51093	0.21	2.46	0.15
51094	0.48	1.23	0.63
51095	0.25	1.69	0.34
51096	0.20	2.19	0.17

DISTRICT	Reock	Schwartzberg	Polsby-Popper
51097	0.43	1.73	0.21
51098	0.28	1.78	0.26
51099	0.27	1.97	0.21
51100	0.29	1.51	0.39

EXHIBIT J

DECLARATION OF KEVIN J. HAMILTON

Plan Name: Plaintiffs' Remedial Plan B
Plan Type:
Administrator:

Political Subdivisions Split Between Districts

Friday November 2, 2018   12:13 AM

Number of subdivisions not split:

County   82
Voting District   2,291

Number of subdivisions split into more than one district:

County   52
Voting District   82

Number of subdivision splits which affect *no* population:

County   2
Voting District   3

Split Counts

County

Cases where an area is split among 2 Districts: 25
Cases where an area is split among 3 Districts: 14
Cases where an area is split among 4 Districts: 5
Cases where an area is split among 5 Districts: 2
Cases where an area is split among 6 Districts: 1
Cases where an area is split among 7 Districts: 3
Cases where an area is split among 8 Districts: 1
Cases where an area is split among 17 Districts: 1

Voting District

Cases where an area is split among 2 Districts: 81
Cases where an area is split among 3 Districts: 1

County	Voting District	District	Population
Split Counties :			
Albemarle VA		51025	21,420
Albemarle VA		51057	37,303
Albemarle VA		51058	30,929
Albemarle VA		51059	9,318
Alexandria City VA		51045	59,633
Alexandria City VA		51046	80,333
Amherst VA		51023	10,678
Amherst VA		51024	21,675
Arlington VA		51045	14,388

Plan Name:	Plaintiffs' Remedial Plan B	Administrator:	
Plan Type:		User:	

County	Voting District	District	Population
Split Counties (continued):			
Arlington VA		51047	80,757
Arlington VA		51048	55,008
Arlington VA		51049	57,474
Augusta VA		51020	24,485
Augusta VA		51024	17,273
Augusta VA		51025	31,992
Bedford VA		51019	22,948
Bedford VA		51022	28,780
Bedford VA		51023	16,948
Botetourt VA		51017	4,449
Botetourt VA		51019	28,699
Campbell VA		51022	17,154
Campbell VA		51059	30,664
Campbell VA		51060	7,024
Caroline VA		51054	2,484
Caroline VA		51055	19,742
Caroline VA		51099	6,319
Chesapeake City VA		51021	5,030
Chesapeake City VA		51076	2,057
Chesapeake City VA		51077	80,448
Chesapeake City VA		51078	80,037
Chesapeake City VA		51080	21,946
Chesapeake City VA		51081	32,691
Chesterfield VA		51027	79,675
Chesterfield VA		51062	57,325
Chesterfield VA		51063	13,302
Chesterfield VA		51065	40,407
Chesterfield VA		51066	61,986
Chesterfield VA		51068	44,543
Chesterfield VA		51069	18,998
Clarke VA		51010	4,309
Clarke VA		51033	9,725
Culpeper VA		51018	12,895
Culpeper VA		51030	33,794
Fairfax VA		51034	53,301
Fairfax VA		51035	80,213
Fairfax VA		51036	79,746
Fairfax VA		51037	57,690
Fairfax VA		51038	80,758
Fairfax VA		51039	80,710
Fairfax VA		51040	66,026
Fairfax VA		51041	80,792
Fairfax VA		51042	79,964
Fairfax VA		51043	80,750
Fairfax VA		51044	80,796
Fairfax VA		51045	6,219
Fairfax VA		51048	24,484
Fairfax VA		51049	23,135
Fairfax VA		51053	67,717
Fairfax VA		51067	70,636

Plan Name:	Plaintiffs' Remedial Plan B	**Administrator:**	
Plan Type:		**User:**	

County	Voting District	District	Population
Split Counties (continued)*:*			
Fairfax VA		51086	68,789
Fauquier VA		51018	40,915
Fauquier VA		51031	15,101
Fauquier VA		51088	9,187
Fluvanna VA		51058	18,460
Fluvanna VA		51065	7,231
Franklin VA		51009	46,650
Franklin VA		51022	9,509
Frederick VA		51010	13,649
Frederick VA		51029	43,969
Frederick VA		51033	20,687
Fredericksburg City VA		51028	8,950
Fredericksburg City VA		51088	15,336
Goochland VA		51056	17,530
Goochland VA		51065	4,187
Hampton City VA		51091	50,673
Hampton City VA		51092	79,959
Hampton City VA		51095	6,804
Hanover VA		51055	50,481
Hanover VA		51097	49,382
Henrico VA		51056	24,178
Henrico VA		51070	43,528
Henrico VA		51072	80,257
Henrico VA		51073	79,730
Henrico VA		51074	79,242
Henry VA		51009	15,434
Henry VA		51014	15,368
Henry VA		51016	23,349
James City VA		51093	20,694
James City VA		51096	46,315
King William VA		51097	11,575
King William VA		51098	4,360
Loudoun VA		51010	62,659
Loudoun VA		51032	80,268
Loudoun VA		51033	50,138
Loudoun VA		51034	27,421
Loudoun VA		51067	8,997
Loudoun VA		51086	11,958
Loudoun VA		51087	70,870
Lunenburg VA		51061	8,470
Lunenburg VA		51075	4,444
Lynchburg City VA		51022	23,864
Lynchburg City VA		51023	51,704
Montgomery VA		51007	35,026
Montgomery VA		51008	17,599
Montgomery VA		51012	41,767
Nelson VA		51020	7,776
Nelson VA		51059	7,244
Newport News City VA		51093	28,588
Newport News City VA		51094	79,268

| Plan Name: | Plaintiffs' Remedial Plan B | Administrator: | | |
| Plan Type: | | User: | | |

County	Voting District		District	Population
Split Counties (continued)*:*				
Newport News City VA			51095	72,863
Norfolk City VA			51079	42,660
Norfolk City VA			51083	5,271
Norfolk City VA			51089	80,517
Norfolk City VA			51090	79,228
Norfolk City VA			51100	35,127
Pittsylvania VA			51014	20,984
Pittsylvania VA			51016	42,522
Portsmouth City VA			51079	37,557
Portsmouth City VA			51080	57,978
Prince George VA			51062	0
Prince George VA			51063	5,713
Prince George VA			51064	30,012
Prince William VA			51002	45,961
Prince William VA			51013	66,306
Prince William VA			51031	64,109
Prince William VA			51040	14,703
Prince William VA			51050	42,856
Prince William VA			51051	80,372
Prince William VA			51052	79,290
Prince William VA			51087	8,405
Pulaski VA			51007	29,841
Pulaski VA			51012	5,031
Richmond City VA			51068	34,791
Richmond City VA			51069	61,342
Richmond City VA			51070	28,566
Richmond City VA			51071	79,515
Roanoke City VA			51011	80,132
Roanoke City VA			51017	16,900
Roanoke VA			51008	33,094
Roanoke VA			51017	59,282
Rockingham VA			51015	4,966
Rockingham VA			51025	26,599
Rockingham VA			51026	31,774
Rockingham VA			51058	12,975
Russell VA			51003	4,583
Russell VA			51004	24,314
Smyth VA			51005	11,877
Smyth VA			51006	20,331
Spotsylvania VA			51054	77,671
Spotsylvania VA			51055	9,355
Spotsylvania VA			51056	4,780
Spotsylvania VA			51088	30,591
Stafford VA			51002	33,530
Stafford VA			51028	70,354
Stafford VA			51088	25,077
Suffolk City VA			51064	7,112
Suffolk City VA			51076	77,473
Virginia Beach City VA			51021	74,578
Virginia Beach City VA			51081	48,000

Plan Name:	Plaintiffs' Remedial Plan B	Administrator:		
Plan Type:		User:		

County	Voting District		District	Population
Split Counties (continued)*:*				
Virginia Beach City VA			51082	79,504
Virginia Beach City VA			51083	75,503
Virginia Beach City VA			51084	79,655
Virginia Beach City VA			51085	80,754
Virginia Beach City VA			51100	0
Warren VA			51015	9,629
Warren VA			51018	18,267
Warren VA			51029	9,679
Washington VA			51004	26,563
Washington VA			51005	28,313
Wise VA			51001	27,786
Wise VA			51004	13,666
York VA			51091	16,680
York VA			51093	15,882
York VA			51096	32,902
Split VTDs :				
Albemarle VA	East Ivy		51025	1,145
Albemarle VA	East Ivy		51057	2,444
Albemarle VA	Free Bridge		51057	4,095
Albemarle VA	Free Bridge		51058	460
Amherst VA	Amelon		51023	1,337
Amherst VA	Amelon		51024	3,458
Amherst VA	Elon		51023	834
Amherst VA	Elon		51024	2,764
Arlington VA	Jefferson		51047	1,410
Arlington VA	Jefferson		51049	3,019
Arlington VA	Oakridge		51045	1,705
Arlington VA	Oakridge		51049	3,511
Augusta VA	Fishersville		51020	707
Augusta VA	Fishersville		51025	4,104
Augusta VA	White Hill		51020	1,157
Augusta VA	White Hill		51024	2,331
Bedford VA	Liberty High School		51019	838
Bedford VA	Liberty High School		51023	2,152
Bedford VA	Thaxton Elem School		51019	765
Bedford VA	Thaxton Elem School		51023	1,843
Chesapeake City VA	Bells Mill Ii		51078	546
Chesapeake City VA	Bells Mill Ii		51081	2,760
Chesterfield VA	Bailey Bridge		51027	4,353
Chesterfield VA	Bailey Bridge		51066	1,557
Chesterfield VA	Evergreen		51027	4,519
Chesterfield VA	Evergreen		51065	2,713
Clarke VA	Millwood		51010	1,693
Clarke VA	Millwood		51033	78
Fairfax VA	Baileys		51038	4,068
Fairfax VA	Baileys		51049	3,004
Fairfax VA	Belle Haven		51044	3,232
Fairfax VA	Belle Haven		51045	179
Fairfax VA	Belvoir		51043	3,167

| Plan Name: | Plaintiffs' Remedial Plan B | Administrator: | | |
| Plan Type: | | User: | | |

County	Voting District		District	Population
Split VTDs (continued):				
Fairfax VA	Belvoir		51044	2,216
Fairfax VA	Camelot		51039	1,381
Fairfax VA	Camelot		51053	407
Fairfax VA	Flint Hill		51035	2,035
Fairfax VA	Flint Hill		51036	3,897
Fairfax VA	Franklin		51067	1,228
Fairfax VA	Franklin		51086	3,530
Fairfax VA	Hayfield		51043	658
Fairfax VA	Hayfield		51044	3,178
Fairfax VA	Huntington		51043	5,464
Fairfax VA	Huntington		51045	320
Fairfax VA	Kinross		51067	3,186
Fairfax VA	Kinross		51086	3,128
Fairfax VA	Lake Braddock		51039	388
Fairfax VA	Lake Braddock		51041	6,417
Fairfax VA	Lane		51039	3,307
Fairfax VA	Lane		51043	2,015
Fairfax VA	Lees Corner West		51067	3,177
Fairfax VA	Lees Corner West		51086	2,463
Fairfax VA	London Towne West		51037	4,019
Fairfax VA	London Towne West		51040	1,825
Fairfax VA	Lorton		51042	0
Fairfax VA	Lorton		51043	4,353
Fairfax VA	Mosby		51035	2,906
Fairfax VA	Mosby		51037	6,928
Fairfax VA	Pohick		51041	3,303
Fairfax VA	Pohick		51042	2,489
Fairfax VA	Salona		51034	1,236
Fairfax VA	Salona		51048	2,387
Fairfax VA	Stone		51037	3,052
Fairfax VA	Stone		51067	2,902
Fairfax VA	Vale		51036	907
Fairfax VA	Vale		51067	3,094
Fairfax VA	Weyanoke		51038	5,130
Fairfax VA	Weyanoke		51039	1,022
Fairfax VA	Willow Springs		51037	3,327
Fairfax VA	Willow Springs		51040	3,764
Fairfax VA	Woodson		51037	4,956
Fairfax VA	Woodson		51041	2,358
Fairfax VA	Woodyard		51040	1,101
Fairfax VA	Woodyard		51042	1,646
Frederick VA	Parkins Mill		51010	6,942
Frederick VA	Parkins Mill		51029	1,263
Fredericksburg City VA	District 4		51028	698
Fredericksburg City VA	District 4		51088	1,523
Goochland VA	Hadensville		51056	715
Goochland VA	Hadensville		51065	1,621
Hampton City VA	Bethel		51091	4,800
Hampton City VA	Bethel		51095	548

Plan Name:	Plaintiffs' Remedial Plan B	Administrator:		
Plan Type:		User:		

County	Voting District		District	Population
Split VTDs (continued):				
Henrico VA	Causeway		51056	767
Henrico VA	Causeway		51072	2,162
Henry VA	Axton		51014	353
Henry VA	Axton		51016	1,782
King William VA	Courthouse		51097	2,129
King William VA	Courthouse		51098	143
Loudoun VA	Belmont Ridge		51010	3,034
Loudoun VA	Belmont Ridge		51032	4,058
Loudoun VA	Countryside		51032	948
Loudoun VA	Countryside		51087	1,928
Loudoun VA	Dulles South		51067	6,329
Loudoun VA	Dulles South		51087	11
Loudoun VA	Mill Run		51032	3,722
Loudoun VA	Mill Run		51087	1,180
Loudoun VA	Park View		51086	2,336
Loudoun VA	Park View		51087	2,766
Loudoun VA	Philomont		51010	1,402
Loudoun VA	Philomont		51033	1,105
Loudoun VA	Pinebrook		51010	2,399
Loudoun VA	Pinebrook		51087	2,325
Lunenburg VA	Brown's Store		51061	1,040
Lunenburg VA	Brown's Store		51075	265
Lunenburg VA	Peoples Community Center		51061	725
Lunenburg VA	Peoples Community Center		51075	207
Lunenburg VA	Rosebud		51061	557
Lunenburg VA	Rosebud		51075	747
Lunenburg VA	Victoria Public Library		51061	1,086
Lunenburg VA	Victoria Public Library		51075	1,336
Montgomery VA	E-1		51007	10,740
Montgomery VA	E-1		51012	654
Newport News City VA	Lee Hall		51093	3,023
Newport News City VA	Lee Hall		51094	6,789
Newport News City VA	McIntosh		51093	2,317
Newport News City VA	McIntosh		51094	2,340
Norfolk City VA	Lafayette-Winona		51089	1,026
Norfolk City VA	Lafayette-Winona		51090	2,339
Portsmouth City VA	Nine		51079	2,752
Portsmouth City VA	Nine		51080	402
Prince George VA	Courts Bldg		51062	0
Prince George VA	Courts Bldg		51064	3,810
Prince George VA	Templeton		51063	1,044
Prince George VA	Templeton		51064	3,579
Prince William VA	Alvey		51040	2,244
Prince William VA	Alvey		51087	4,913
Prince William VA	Battlefield		51013	80
Prince William VA	Battlefield		51040	5,599
Prince William VA	Benton		51031	2,848
Prince William VA	Benton		51051	1,805
Prince William VA	Godwin		51031	3,710

Plan Name:	Plaintiffs' Remedial Plan B	Administrator:		
Plan Type:		User:		

County	Voting District		District	Population
Split VTDs (continued)*:*				
Prince William VA	Godwin		51052	4,449
Prince William VA	Henderson		51031	3,800
Prince William VA	Henderson		51052	2,700
Prince William VA	Minnieville		51031	456
Prince William VA	Minnieville		51052	4,819
Prince William VA	Stonewall		51013	5,472
Prince William VA	Stonewall		51050	1,141
Richmond City VA	707		51070	86
Richmond City VA	707		51071	5,576
Roanoke VA	Penn Forest		51008	1,911
Roanoke VA	Penn Forest		51017	417
Rockingham VA	Plains		51015	1,664
Rockingham VA	Plains		51026	1,998
Russell VA	Honaker		51003	1,463
Russell VA	Honaker		51004	2,591
Spotsylvania VA	Brokenburg		51054	1,530
Spotsylvania VA	Brokenburg		51055	1,384
Spotsylvania VA	Brokenburg		51056	1,562
Stafford VA	Hampton		51028	4,244
Stafford VA	Hampton		51088	1,168
Stafford VA	Whitson		51002	1,537
Stafford VA	Whitson		51088	3,512
Virginia Beach City VA	Aragona		51083	3,841
Virginia Beach City VA	Aragona		51085	3,439
Virginia Beach City VA	Chesapeake Beach		51083	8,310
Virginia Beach City VA	Chesapeake Beach		51100	0
Virginia Beach City VA	London Bridge		51082	4,803
Virginia Beach City VA	London Bridge		51084	763
Wise VA	East Pound		51001	1,168
Wise VA	East Pound		51004	1,416
York VA	Coventry		51091	3,668
York VA	Coventry		51093	5,134
York VA	Edgehill		51093	2,346
York VA	Edgehill		51096	2,989