

Craven County GIS Voter Verification Project

North Carolina Geographic Information Coordinating Council

November 13th 2013



Sol Wuensch

GIS Application Developer

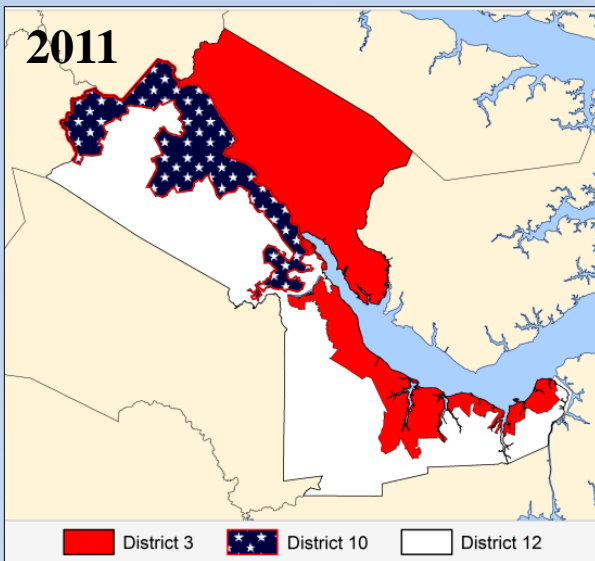
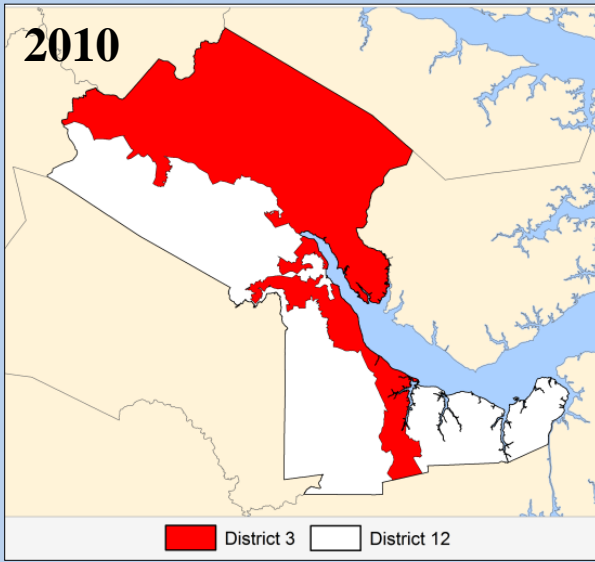
Craven County GIS

Craven County GIS Voter Verification Project

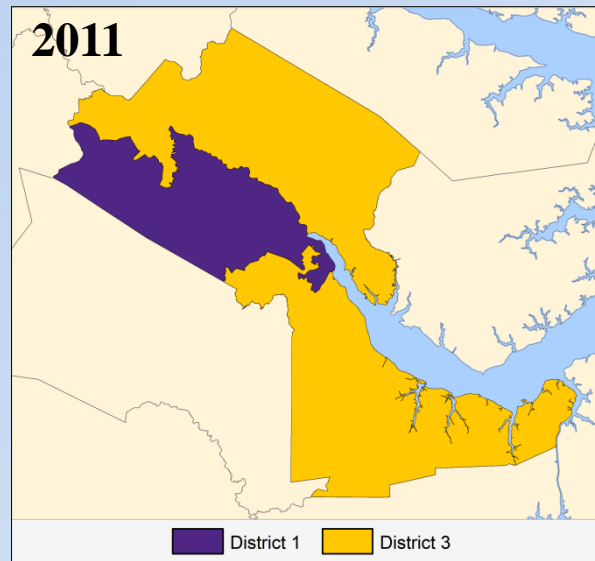
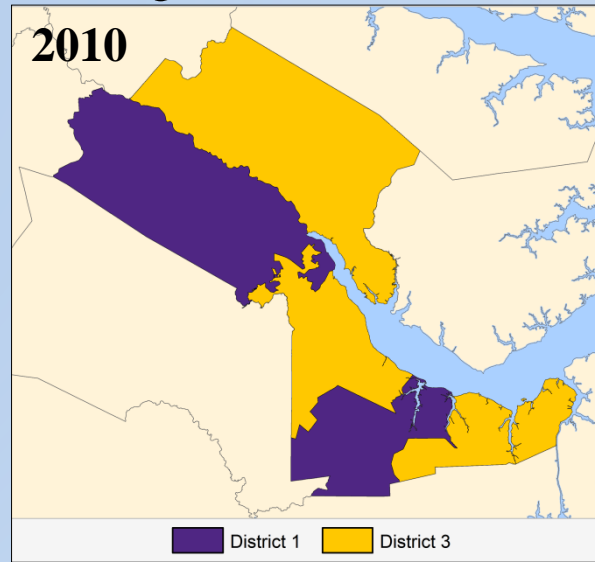
- Purpose & Objectives
- Overview of Data Used
- Methodology & Implementation
- Challenges, Lessons Learned
- Results & Conclusion
- What's Next Moving Forward?

2010 Census → 2011 Redistricting

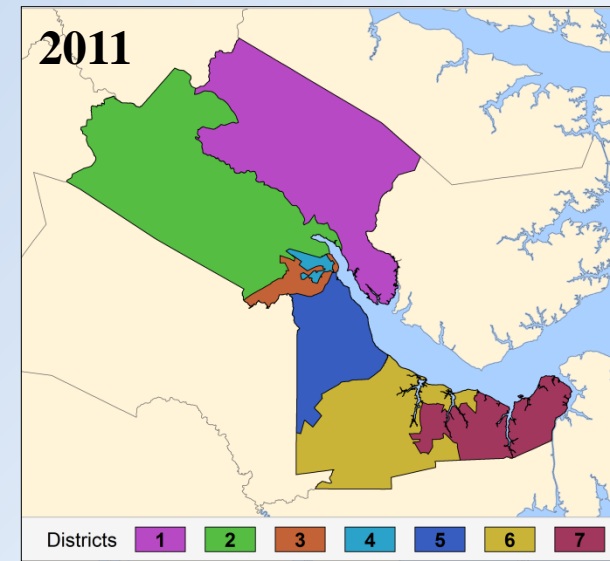
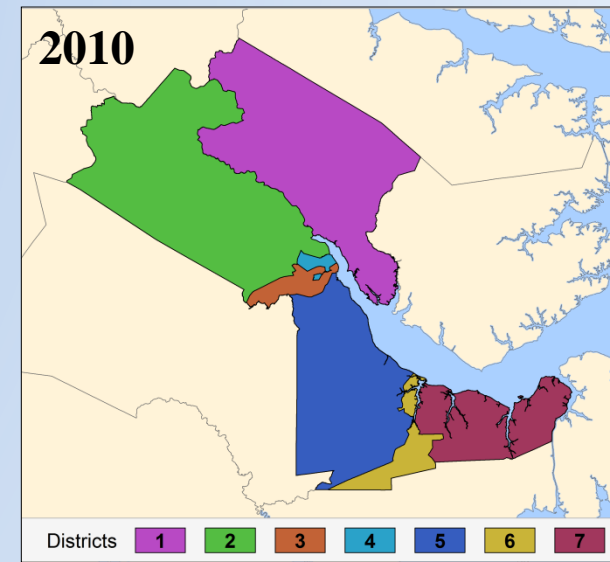
House Districts



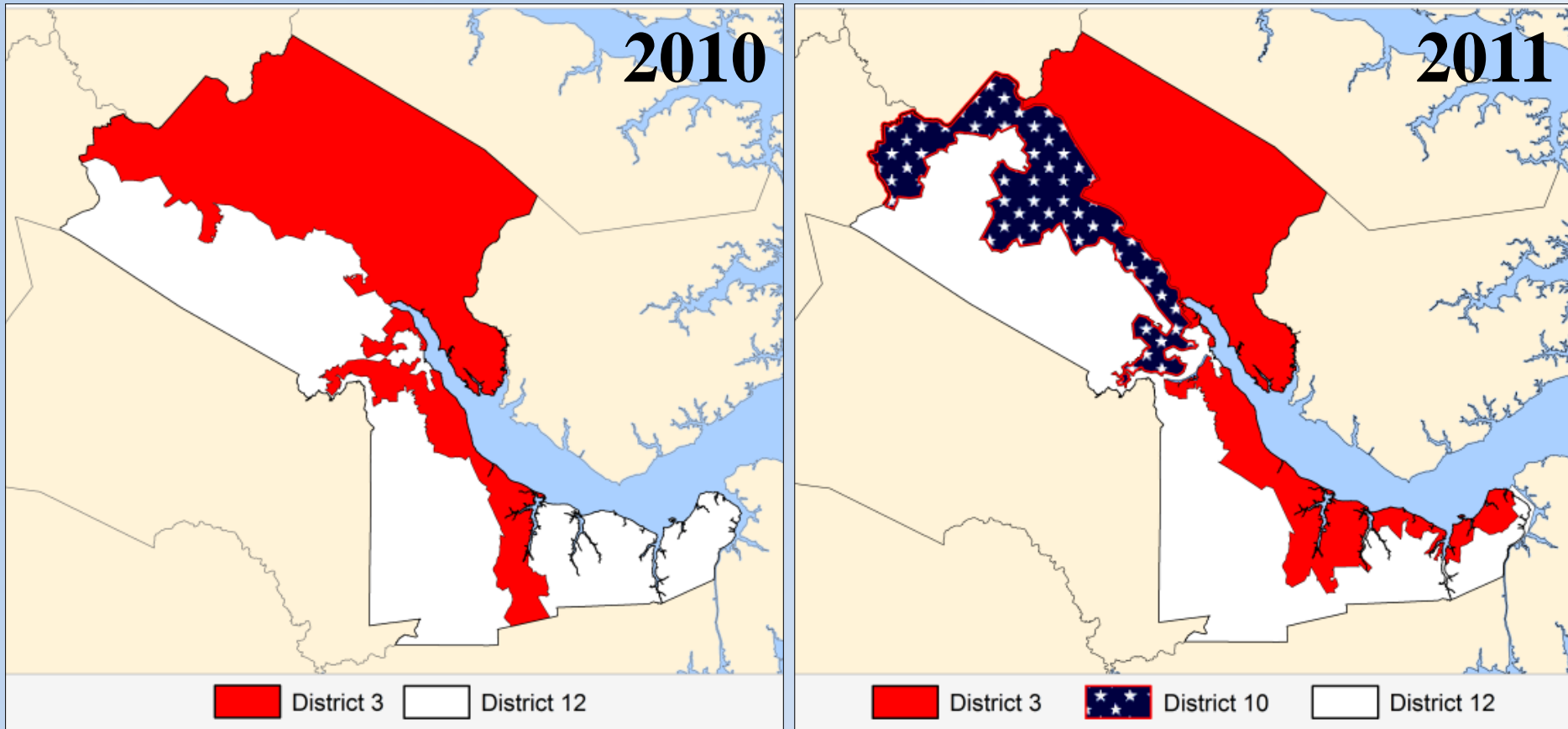
Congressional Districts



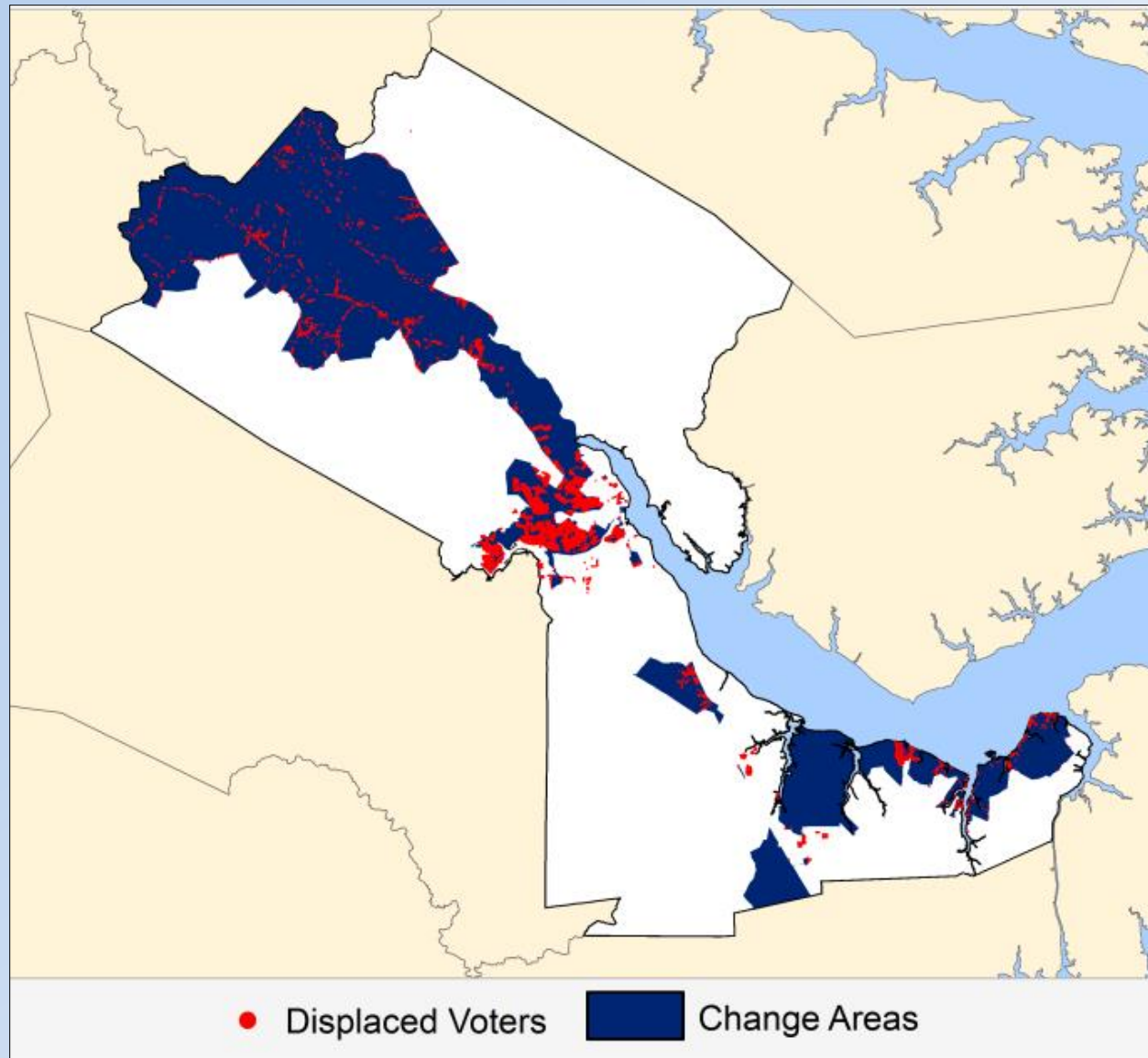
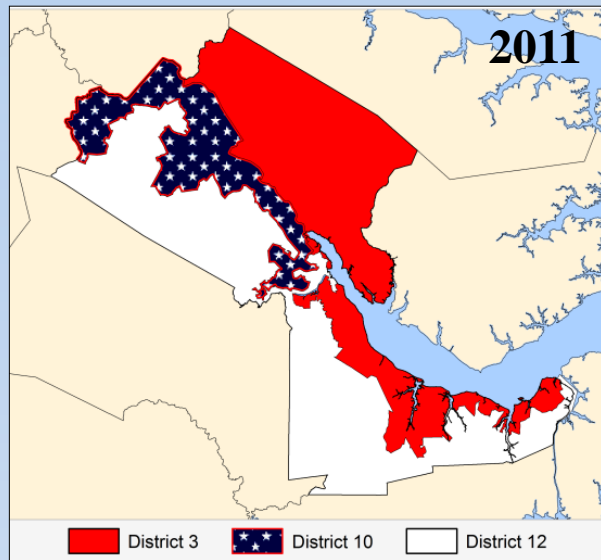
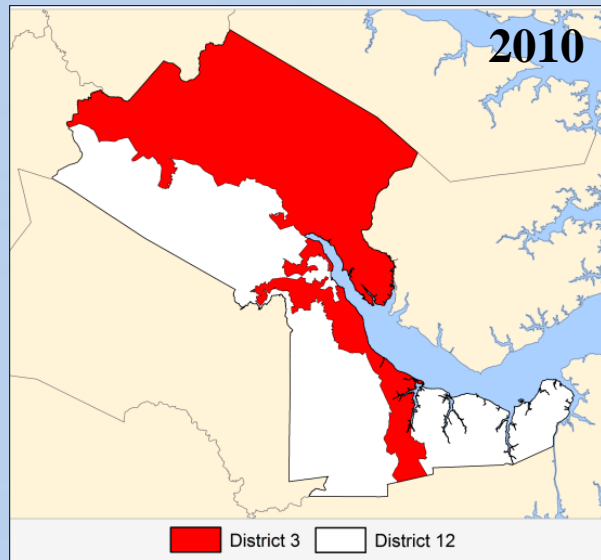
BOE Districts



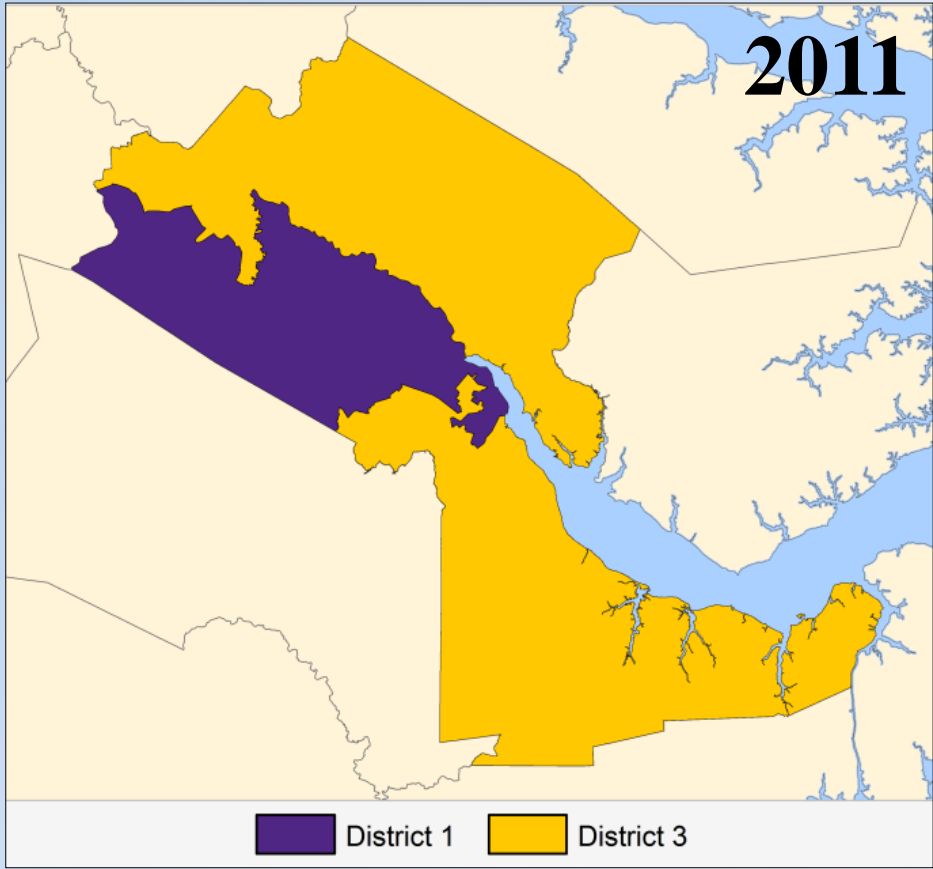
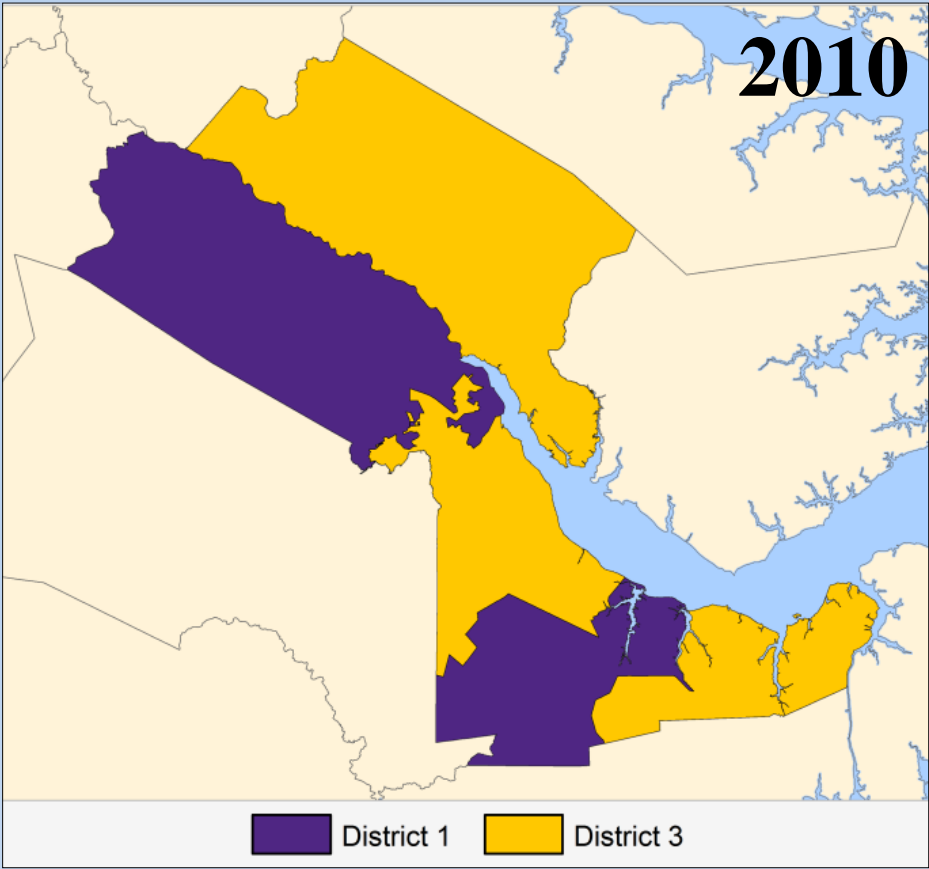
2011 State House Redistricting



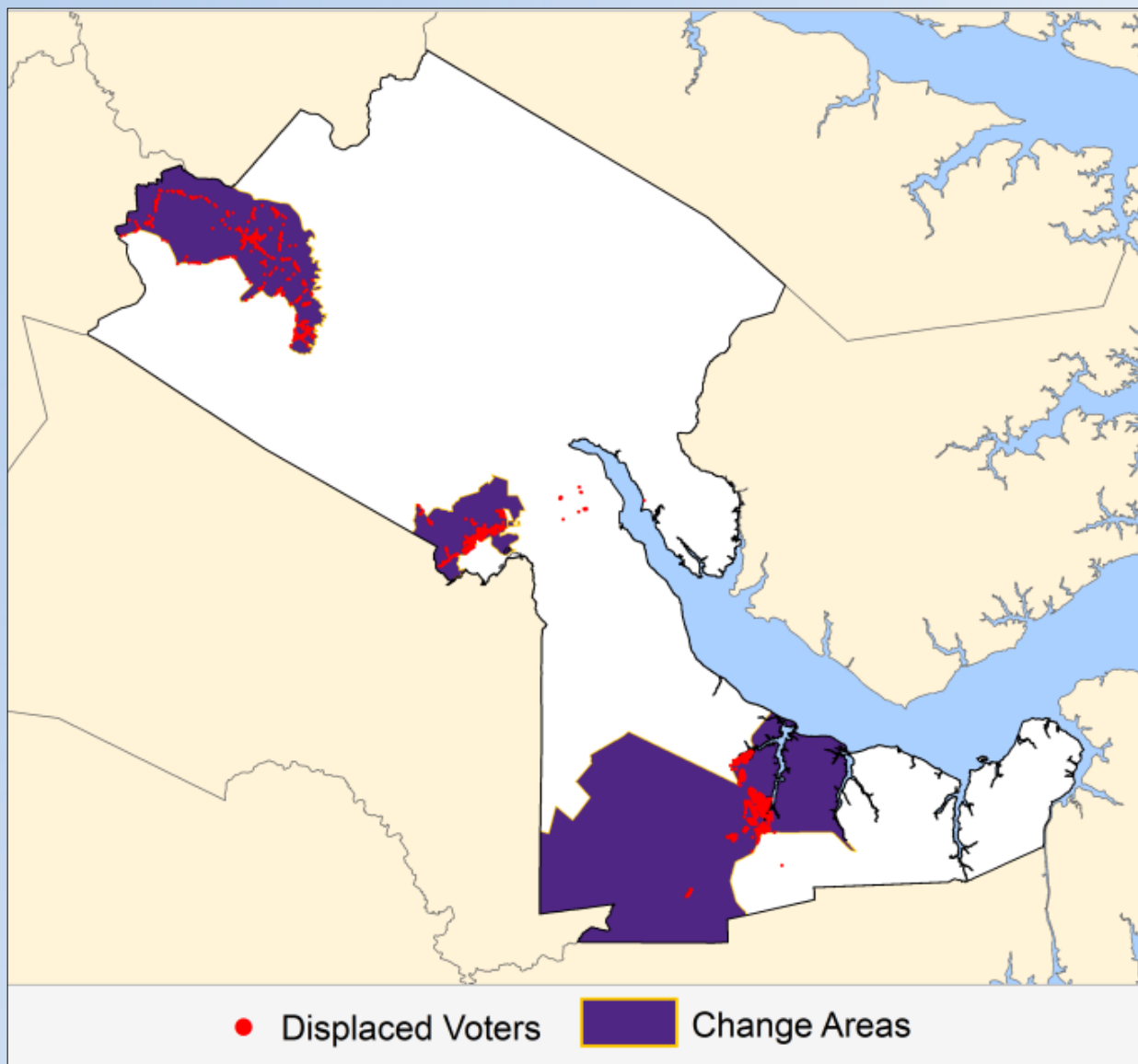
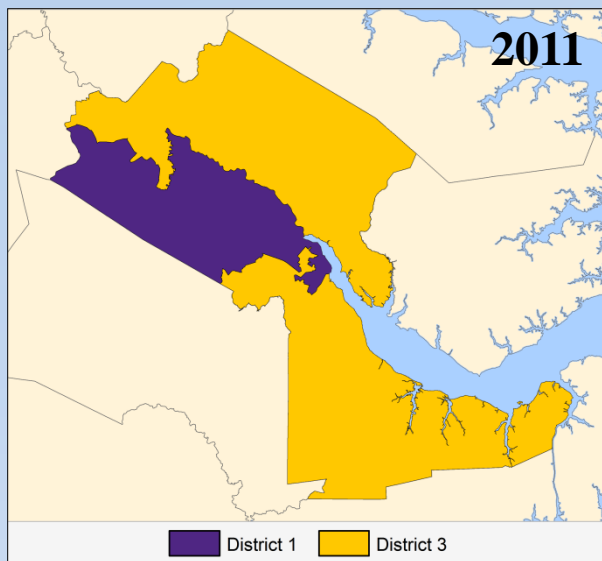
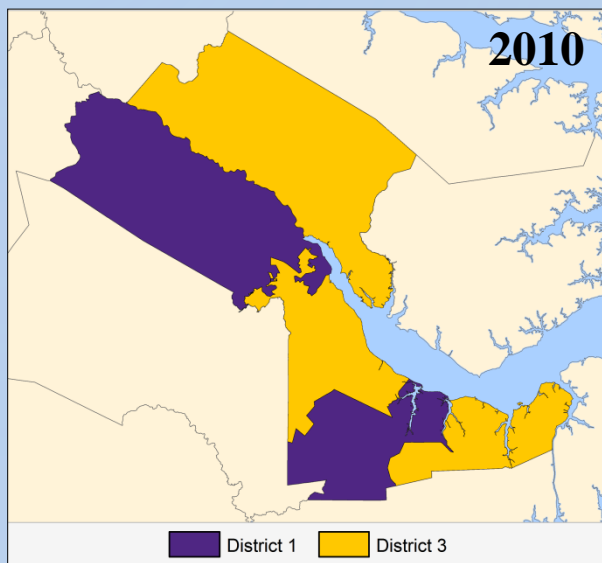
Impacts of State House Redistricting



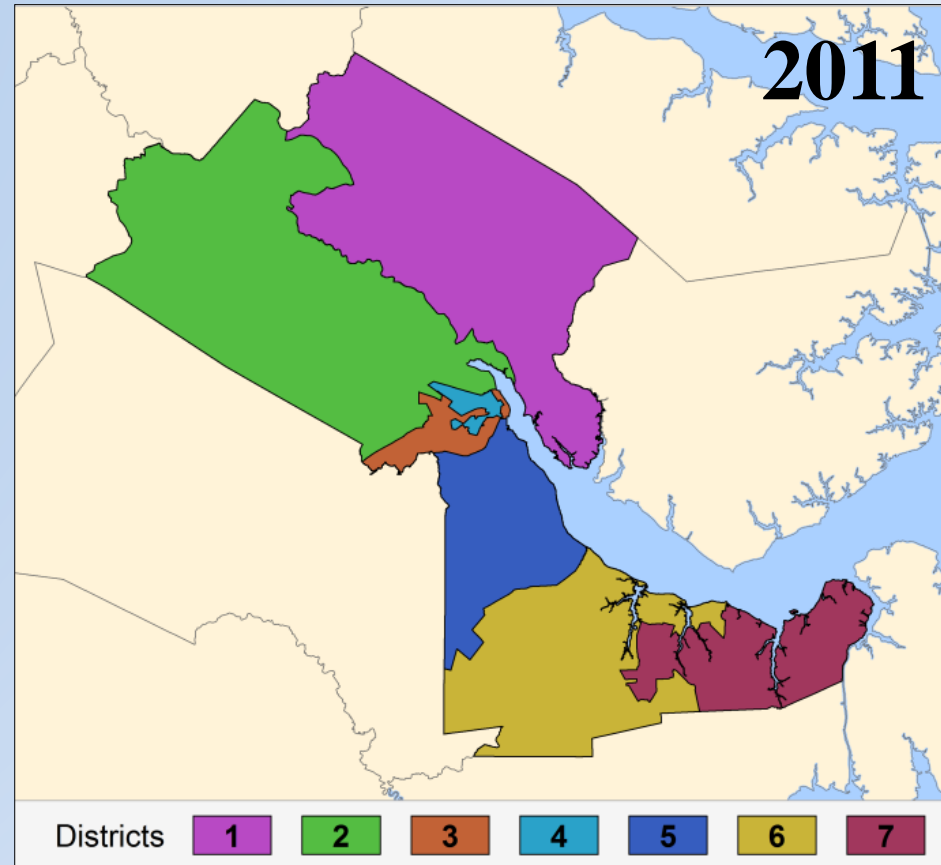
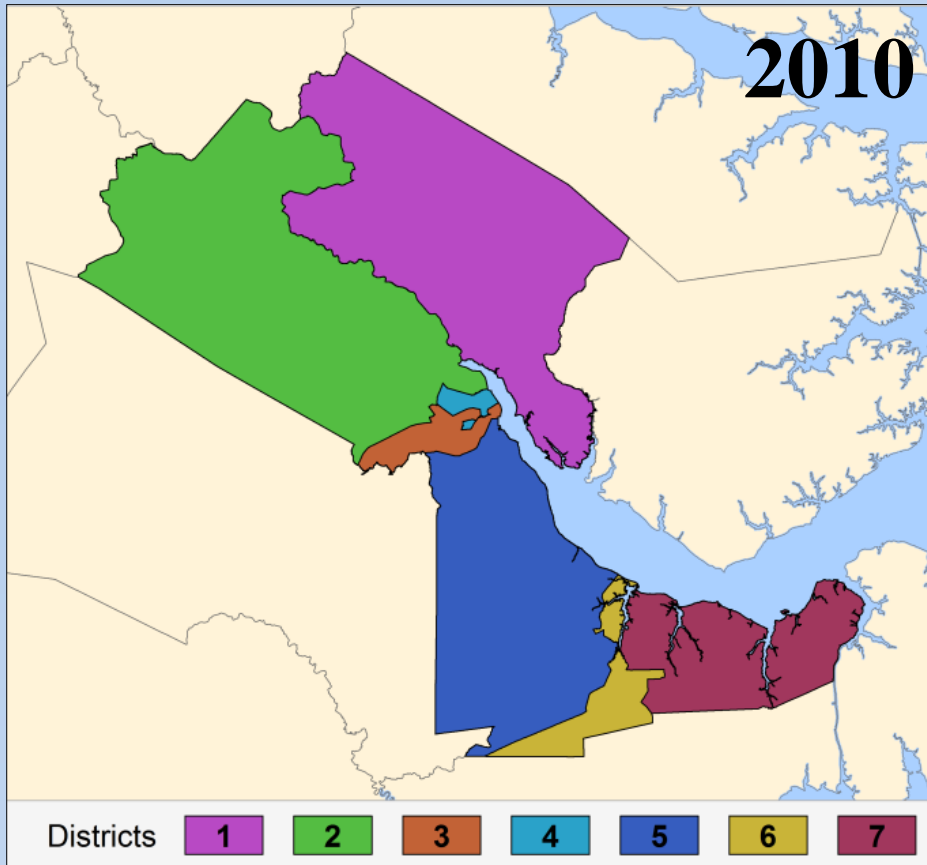
2011 National Congressional Redistricting



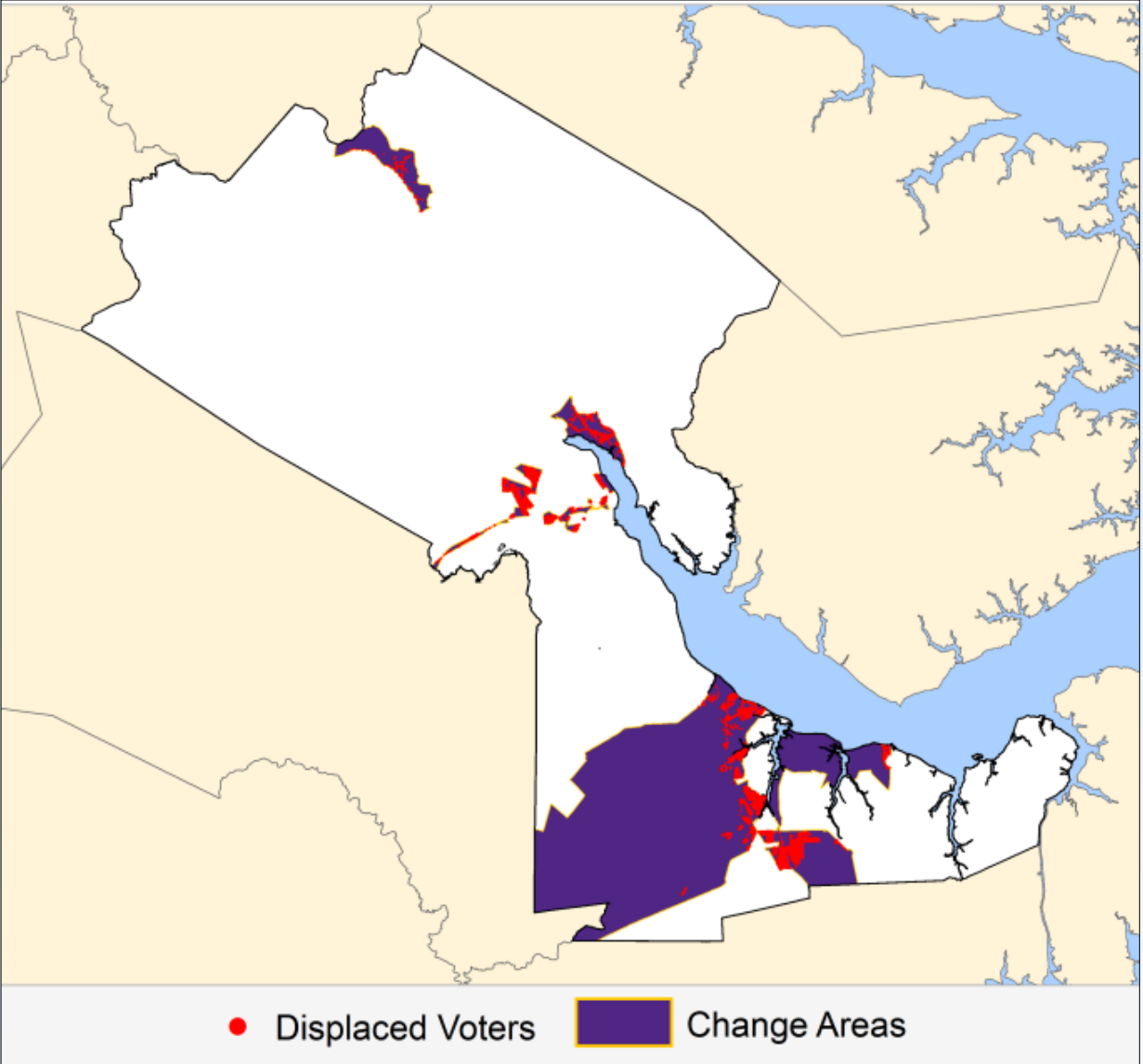
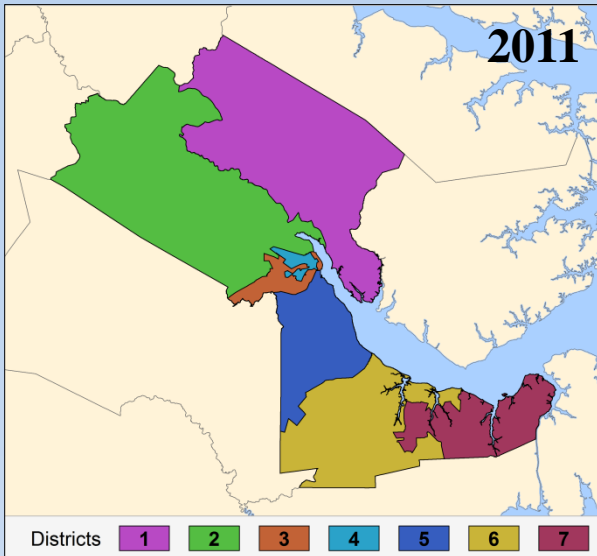
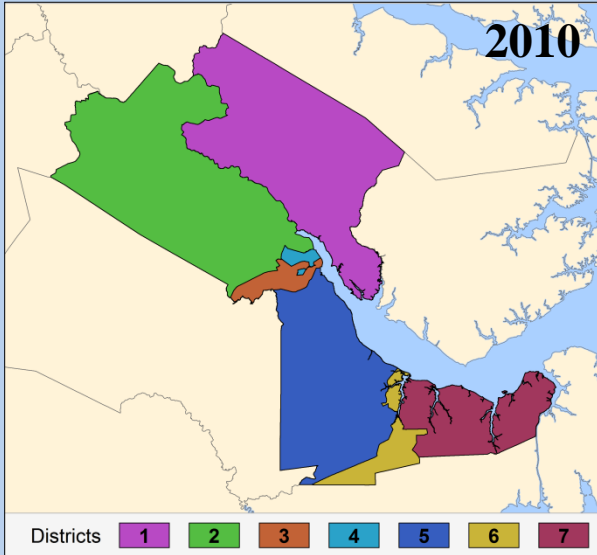
Impacts of National Congressional Redistricting



2011 Board of Education Redistricting



Impacts of Board of Education Redistricting



In the Beginning...

- Initial Meeting to Discuss the problem at hand
- Elections started using ArcGIS Desktop
- GIS started to compare address data
- Developing a plan to analyze voter registration
- Brainstorming, Learning & Teamwork

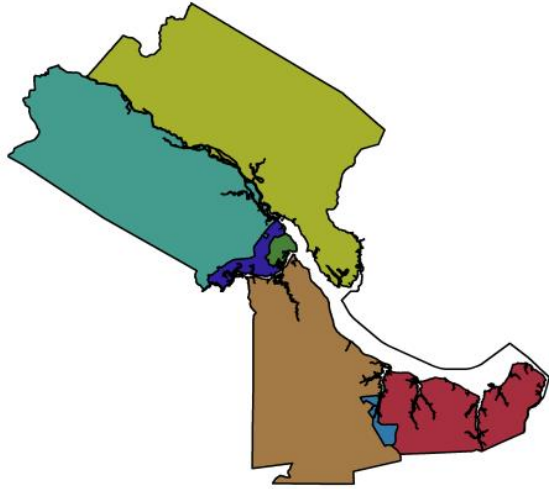


Data Overview

- Tabular Data
 - Voter Registration Data
- Spatial Data
 - Address Structure Points
 - Political Boundaries
 - Parcels, Centerlines, Ortho Imagery
- Data Analysis > Data Creation
- Various Data Sources
 - City, County, State, Federal

Craven County Political Boundaries

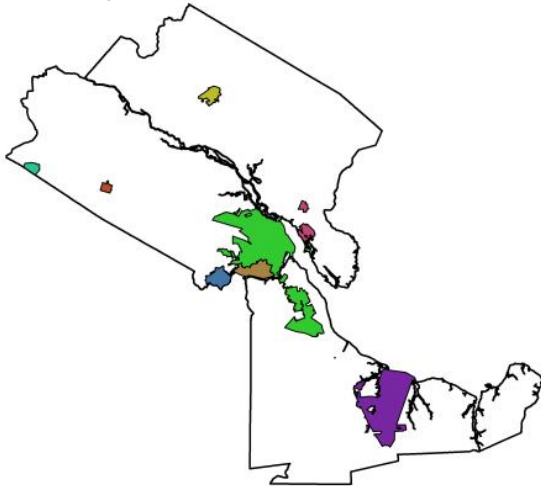
Commissioners Districts



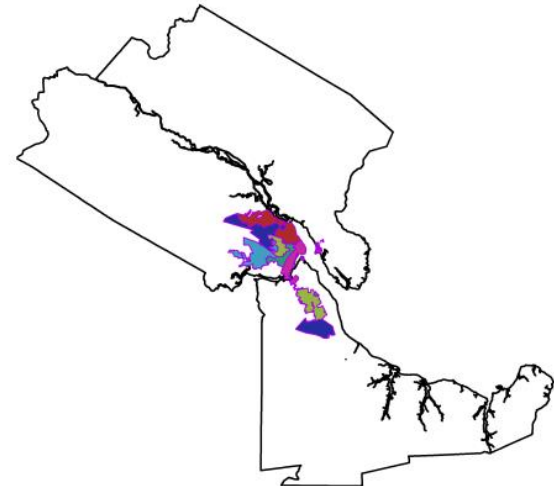
First Craven Water District



City Limits

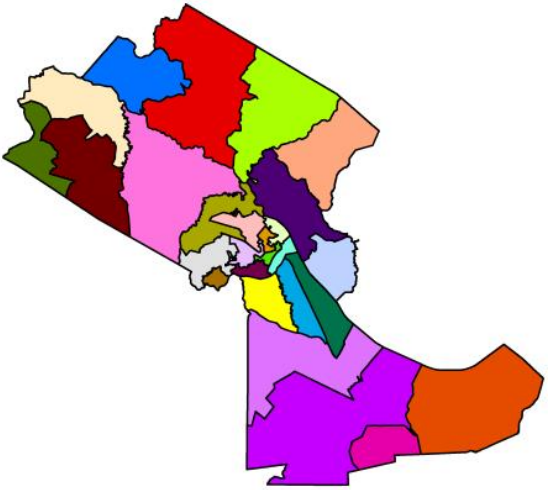


New Bern Wards

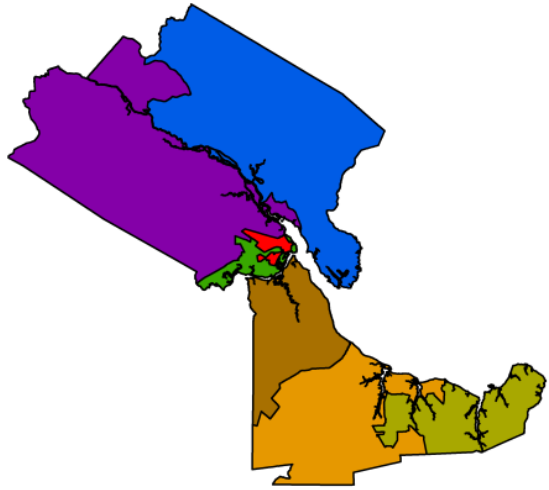


Craven County Political Boundaries

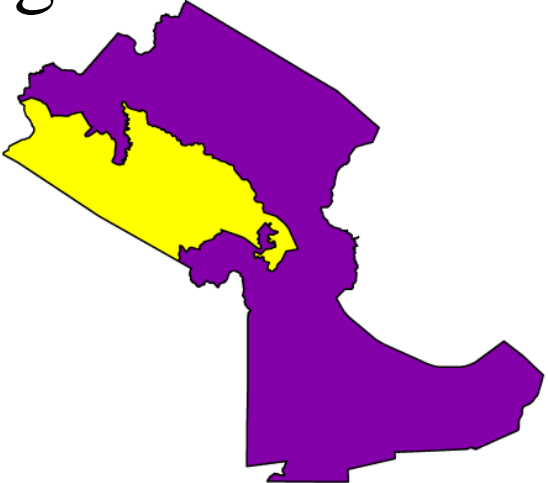
Precincts



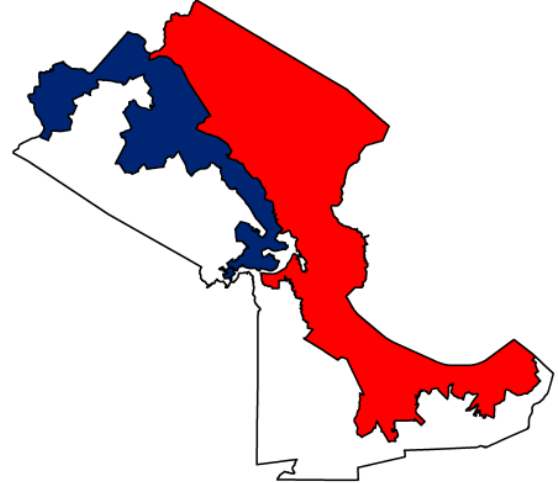
Board of Education Districts



Congressional Districts



State House Districts



State Election Information Management System

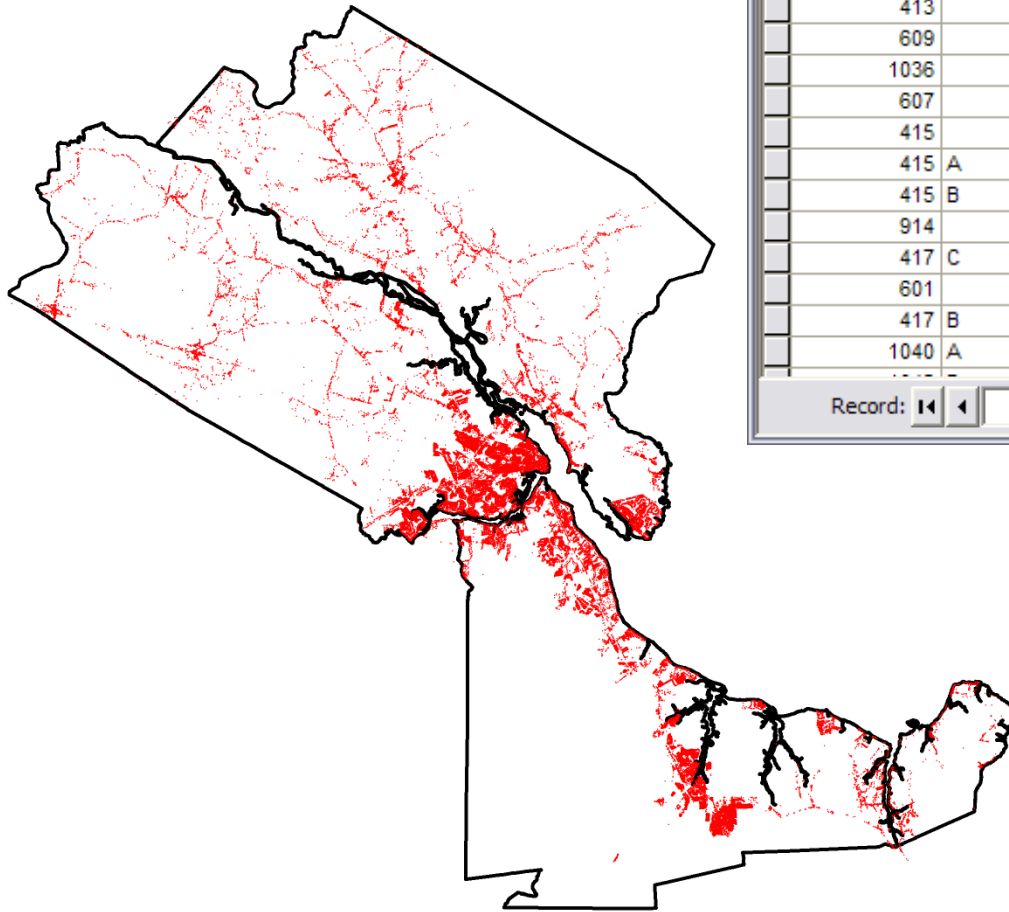
'SEIMS' Data Export

Address Information

Jurisdictional Information

B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
ST_NUM	ST_DIR	ST_NAME	ST_SUFF	ST_TYPE	UNIT	CITY	ZIP	CON_CODE	SCH_CODE	COM_CODE	MUN_CODE	WARD	HOUSE	PRE_CODE	SAN_CODE
104	N	1ST		AVE		NEW BERN	28560	1	2	4	NEW	4	3	N5	
105	N	1ST		AVE		NEW BERN	28560	3	2	4	NEW	4	3	N3	
106	N	1ST		AVE		NEW BERN	28560	1	2	4	NEW	4	3	N5	
107	N	1ST		AVE		NEW BERN	28560	3	2	4	NEW	4	3	N3	
108	N	1ST		AVE		NEW BERN	28560	1	2	4	NEW	4	3	N5	
109	N	1ST		AVE		NEW BERN	28560	3	2	4	NEW	4	3	N3	
110	N	1ST		AVE		NEW BERN	28560	1	2	4	NEW	4	3	N5	
111	N	1ST		AVE		NEW BERN	28560	3	2	4	NEW	4	3	N3	
112	N	1ST		AVE		NEW BERN	28560	1	2	4	NEW	4	3	N5	
113	N	1ST		AVE		NEW BERN	28560	3	2	4	NEW	4	3	N3	
115	N	1ST		AVE		NEW BERN	28560	3	2	4	NEW	4	3	N3	
201	N	1ST		AVE		NEW BERN	28560	3	2	4	NEW	4	3	N3	
202	N	1ST		AVE		NEW BERN	28560	1	2	4	NEW	4	3	N5	
204	N	1ST		AVE		NEW BERN	28560	1	2	4	NEW	4	3	N5	
207	N	1ST		AVE		NEW BERN	28560	3	2	4	NEW	4	3	N3	
209	N	1ST		AVE		NEW BERN	28560	3	2	4	NEW	4	3	N3	
210	N	1ST		AVE		NEW BERN	28560	1	2	4	NEW	4	3	N5	
211	N	1ST		AVE		NEW BERN	28560	3	2	4	NEW	4	3	N3	
300	N	1ST		AVE		NEW BERN	28560	1	2	4	NEW	4	3	N5	
303	N	1ST		AVE		NEW BERN	28560	1	2	4	NEW	4	3	N5	
307	N	1ST		AVE		NEW BERN	28560	1	2	4	NEW	4	3	N5	
311	N	1ST		AVE		NEW BERN	28560	1	2	4	NEW	4	3	N5	
512		1ST		AVE	X	NEW BERN	28560	1	4	3	NEW	2	12	N2	
514		1ST		AVE		NEW BERN	28560	1	4	3	NEW	2	12	N2	
516		1ST		AVE		NEW BERN	28560	1	4	3	NEW	2	12	N2	
518		1ST		AVE		NEW BERN	28560	1	4	3	NEW	2	12	N2	
520		1ST		AVE		NEW BERN	28560	1	4	3	NEW	2	12	N2	

Craven County E911 Address Points Layer



Attributes of STRUCTURES

	ST_NUMBER	UNIT	PRE_DIR	ROAD_NAME #	ROAD_TYPE	SUF_DIR	ZIP	VENUE
	1020			BROAD	ST		28560	NEW BERN
	413			BROAD	ST		28560	NEW BERN
	609			BROAD	ST		28562	NEW BERN
	1036			BROAD	ST		28560	NEW BERN
	607			BROAD	ST		28562	NEW BERN
	415			BROAD	ST		28560	NEW BERN
	415 A			BROAD	ST		28560	NEW BERN
	415 B			BROAD	ST		28560	NEW BERN
	914			BROAD	ST		28560	NEW BERN
	417 C			BROAD	ST		28560	NEW BERN
	601			BROAD	ST		28562	NEW BERN
	417 B			BROAD	ST		28560	NEW BERN
	1040 A			BROAD	ST		28560	NEW BERN

Record: 53558 Show: All Selected Records (0 out of 53558 Selected)

- Street Number
- Prefix Directional
- Street Name
- Street Type
- Suffix Directional
- ~~Unit, Zip, City~~

Address & Roads Search Tools

SELECT ADDRESS STRUCTURE POINT

First Enter the Street Number

Click on the Address in the list below to Select and Zoom To

- 98 TARHEEL DR
- 98 TRENT CT
- 980 ADAMS CREEK RD
- 980 ANTIOCH RD
- 980 DOVER RD
- 980 DRY MONIA RD
- 980 HONOLULU RD
- 980 PURSER RD
- 980 STREETS FERRY RD
- 980 TEBO RD
- 980 WINN CIR
- 981 BLADES RD
- 981 HALF MOON RD
- 981 US 70 HWY E
- 982 HONOLULU RD
- 983 BLADES RD
- 983 NC 43 HWY
- 983 US 70 HWY E
- 985 BLADES RD
- 985 BUTLER FORD RD
- 985 ETHEL LN
- 985 HALF MOON RD
- 985 SHOO FLY RD
- 985 US 70 HWY E
- 985 WASHINGTON POST RD
- 987 US 70 HWY E
- 989 BLADES RD
- 9801 NC 55 HWY W
- 9801 US 17 HWY N
- 9805 US 17 HWY N

Select Roads Tool

Please Enter a Road Name to Display Search Results

Double Click a Result from the List Below to Select and Zoom Multiple Selection

E MAIN ST	HAVELOCK
MAIN ST	HAVELOCK
MAIN ST	NEW BERN
MAIN ST	VANCEBORO
N MAIN ST	COVE CITY
N MAIN ST	DOVER
S MAIN ST	COVE CITY
S MAIN ST	DOVER
W MAIN ST	HAVELOCK

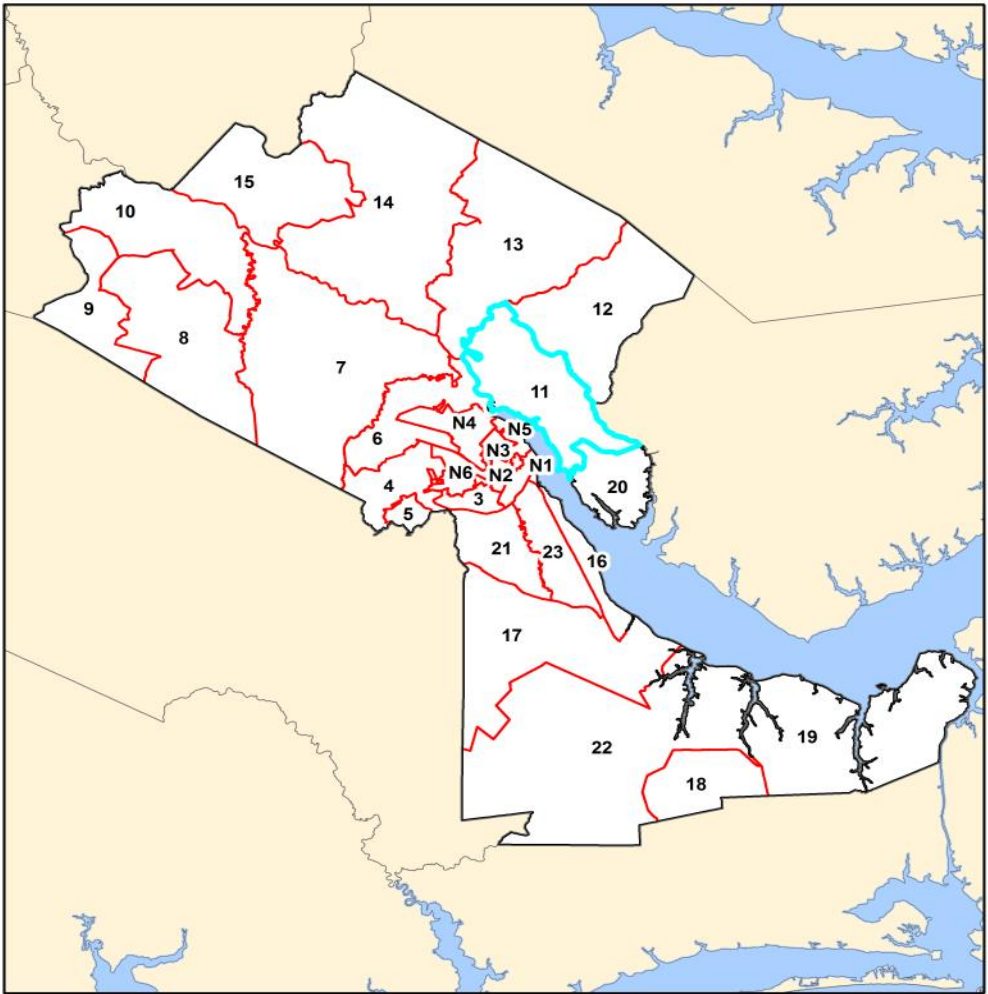
Search Tools for Political Boundaries

Select by Precinct

Double Click to Select

- ALL PRECINCTS
- Brices Creek
- Bridgeton**
- Clarks
- Cove City
- Croatan
- Dover
- Epworth
- Ernul
- Fairfield Harbour
- Fort Barnwell
- Fort Totten
- George Street
- Glenburnie Park
- Grantham 1
- Grantham 2
- Grover C. Fields
- H.J. Macdonald
- Harlowe
- Havelock East
- Havelock West
- Jasper
- New Bern West
- Rhems
- River Bend
- Trent Woods
- Truitt
- Vanceboro

Auto Zoom PRECINCTS ON



Mapping Craven County Voters

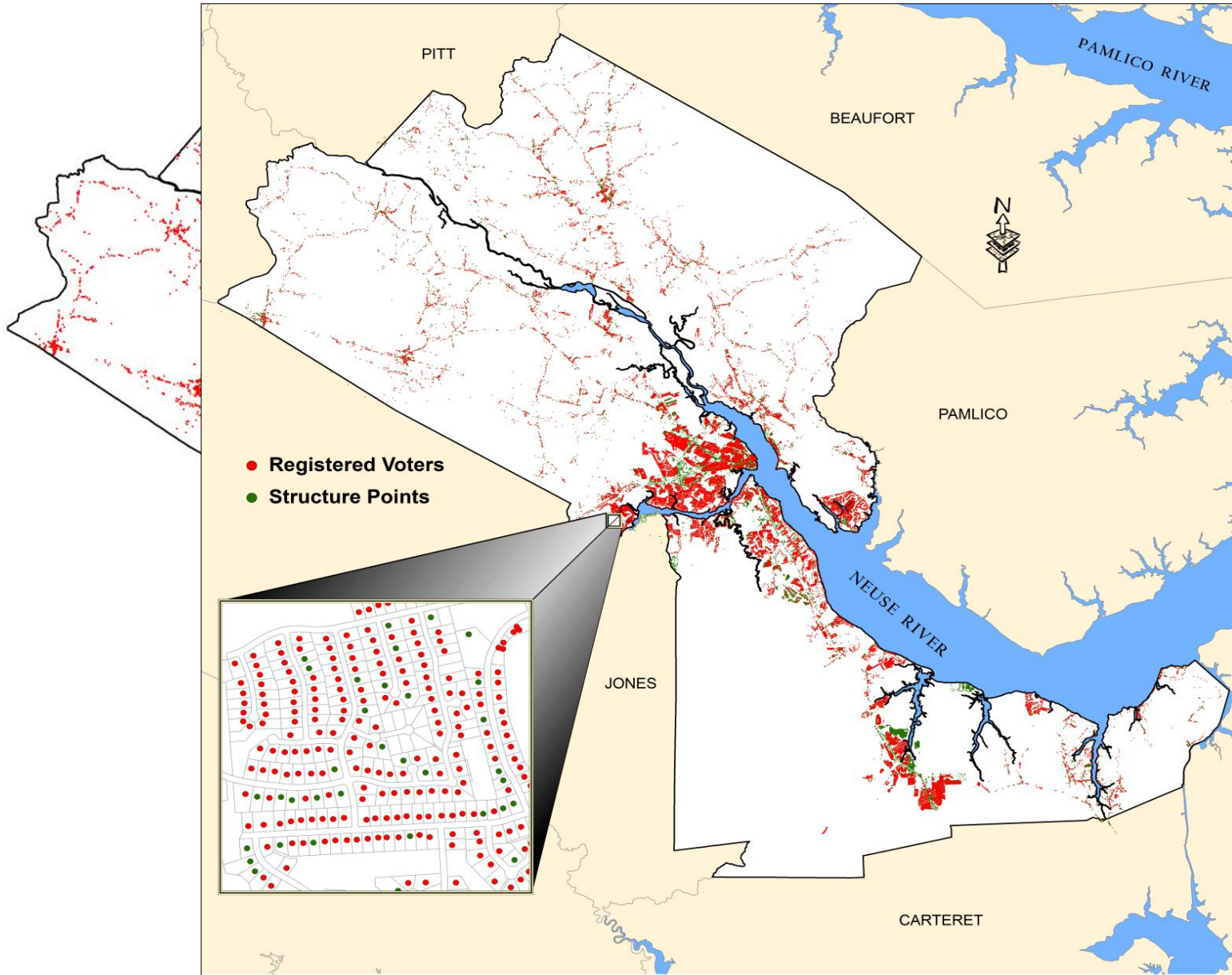
	B	C	D	E	F	G	H
	ST_NUM	ST_DIR	ST_NAME	ST_SUFF	ST_TYPE	UNIT	CITY
2	104	N	1ST		AVE		NEW BERN
3	105	N	1ST		AVE		NEW BERN
4	106	N	1ST		AVE		NEW BERN
5	107	N	1ST		AVE		NEW BERN
6	108	N	1ST		AVE		NEW BERN
7	109	N	1ST		AVE		NEW BERN
8	110	N	1ST		AVE		NEW BERN
9	111	N	1ST		AVE		NEW BERN
0	112	N	1ST		AVE		NEW BERN
1	113	N	1ST		AVE		NEW BERN
2	115	N	1ST		AVE		NEW BERN
3	201	N	1ST		AVE		NEW BERN
4	202	N	1ST		AVE		NEW BERN
5	204	N	1ST		AVE		NEW BERN
6	207	N	1ST		AVE		NEW BERN
7	209	N	1ST		AVE		NEW BERN
8	210	N	1ST		AVE		NEW BERN
9	211	N	1ST		AVE		NEW BERN
0	300	N	1ST		AVE		NEW BERN
1	303	N	1ST		AVE		NEW BERN
2	307	N	1ST		AVE		NEW BERN
3	311	N	1ST		AVE		NEW BERN
4	512		1ST		AVE	X	NEW BERN
5	514		1ST		AVE		NEW BERN
6	516		1ST		AVE		NEW BERN
7	518		1ST		AVE		NEW BERN
8	520		1ST		AVE		NEW BERN

Attributes of STRUCTURES

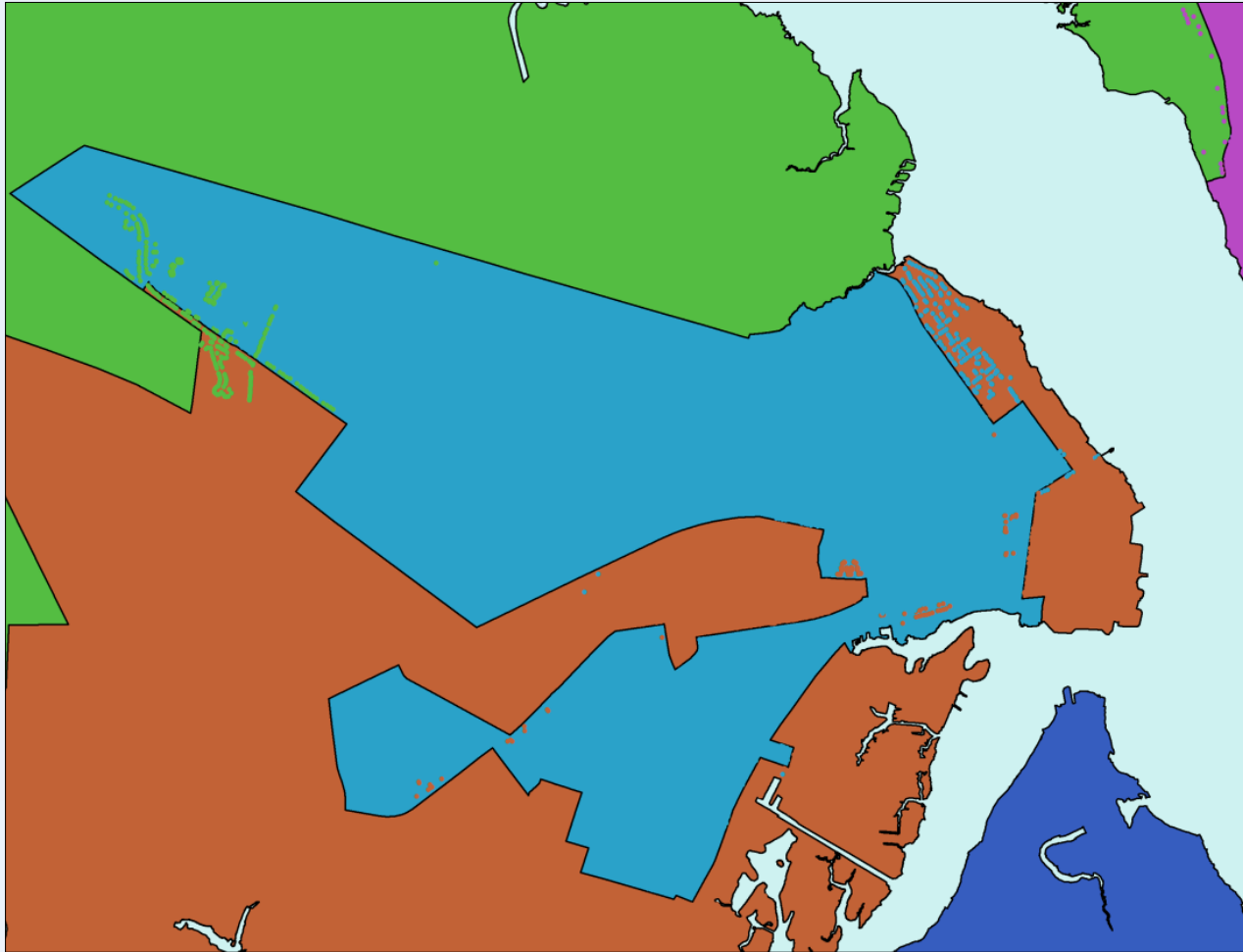
	ST_NUMBER	PRE_DIR	ROAD_NAME	ROAD_TYPE	SUF_DIR	VENUE
	103	N	1ST	AVE		NEW BERN
	104	N	1ST	AVE		NEW BERN
	105	N	1ST	AVE		NEW BERN
	106	N	1ST	AVE		NEW BERN
	107	N	1ST	AVE		NEW BERN
	108	N	1ST	AVE		NEW BERN
	109	N	1ST	AVE		NEW BERN
	110	N	1ST	AVE		NEW BERN
	111	N	1ST	AVE		NEW BERN
	112	N	1ST	AVE		NEW BERN
	113	N	1ST	AVE		NEW BERN
	115	N	1ST	AVE		NEW BERN
	200	N	1ST	AVE		NEW BERN
	201	N	1ST	AVE		NEW BERN
	202	N	1ST	AVE		NEW BERN
	203	N	1ST	AVE		NEW BERN
	204	N	1ST	AVE		NEW BERN
	205	N	1ST	AVE		NEW BERN
	206	N	1ST	AVE		NEW BERN
	207	N	1ST	AVE		NEW BERN
	209	N	1ST	AVE		NEW BERN
	210	N	1ST	AVE		NEW BERN
	211	N	1ST	AVE		NEW BERN
	300	N	1ST	AVE		NEW BERN
	303	N	1ST	AVE		NEW BERN
	307	N	1ST	AVE		NEW BERN
	311	N	1ST	AVE		NEW BERN
	510		1ST	AVE		NEW BERN
	512		1ST	AVE		NEW BERN
	514		1ST	AVE		NEW BERN
	515		1ST	AVE		NEW BERN
	516		1ST	AVE		NEW BERN
	518		1ST	AVE		NEW BERN
	519		1ST	AVE		NEW BERN
	520		1ST	AVE		NEW BERN

Record: 0 Show: All Selected Records (27 out of 62)

Craven County 'Voter View'



'Voter View' as Visual Verification



**2011 BOE
Districts**



**Voter BOE
District**



'Voter View' Custom Applications

- Custom tools help identify possible displaced voters

CRAVEN ELECTION TOOLS

SELECT PARCELS BY [icon] SELECT JURISDICTION [v] SELECT FROM [v] VERIFICATION TOOLS [v] ANALYSIS [v]

- STATE HOUSE DISTRICT VERIFICATION
- BOARD OF EDUCATION VERIFICATION
- CONGRESSIONAL VERIFICATION
- PRECINCT VERIFICATION

Precinct Verification Tool

PICK ONE BELOW	ADDRESS	VOTER	GIS
Brices Creek (21)	101 TRENT VILLA LANDING DR	23	16
Bridgeton (11)	103 TRENT VILLA LANDING DR	23	16
Clarks (6)			
Cove City (8)			
Croatan (17)			
Dover (9)			
Epworth (15)			
Ernul (13)			
Fairfield Harbour .. (20)			
Fort Barnwell (10)			
Fort Totten (N2)			
George Street (N1)			
Glenburnie Park ... (N5)			
Grantham 1 (16)			
Grantham 2 (23)			
Grover C. Fields ... (N3)			
H.J. Macdonald (N4)			
Harlowe (19)			
Havelock East (18)			
Havelock West (22)			
Jasper (7)			
New Bern West (N6)			
Rhems (4)			
River Bend (5)			
Trent Woods (3)			
Truitt (12)			
Vanceboro (14)			

Zoom To Precinct REPORT SELECT SELECT ALL Auto Zoom List Count: 2



Problems with Mapping Voters...

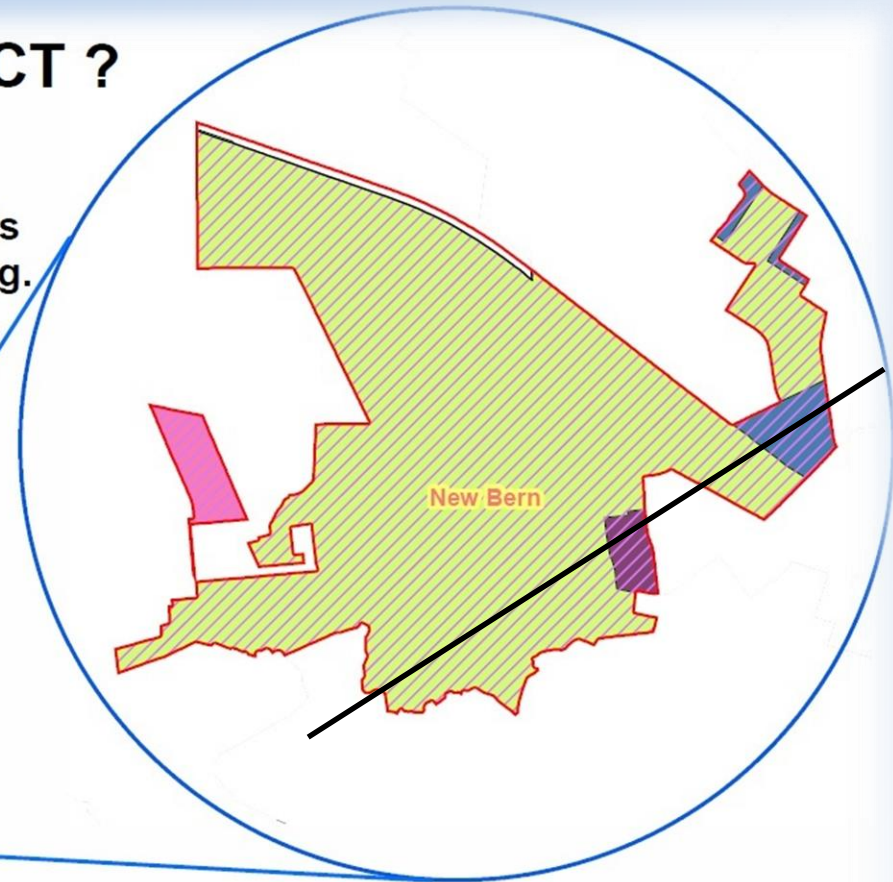
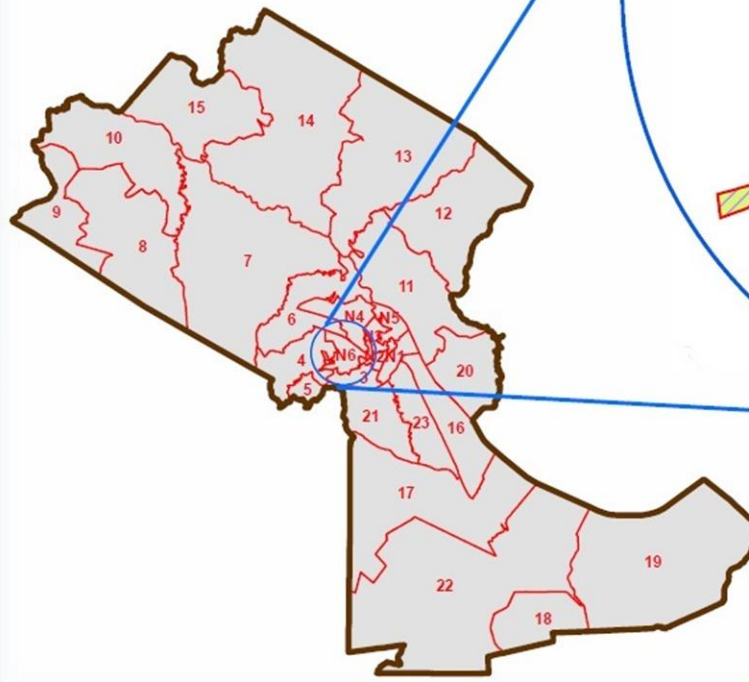
- Problems with this approach
 - Incorrect address matches & non matches
 - Does not check all jurisdictions at once
- Reasons
 - Many to Many or One to Many Relationships
 - Duplicate Addresses
 - SEIMS City \neq E911 City
 - Errors in Datasets
- Solution: New Approach 'Plan B'

Problems with Mapping Voters...

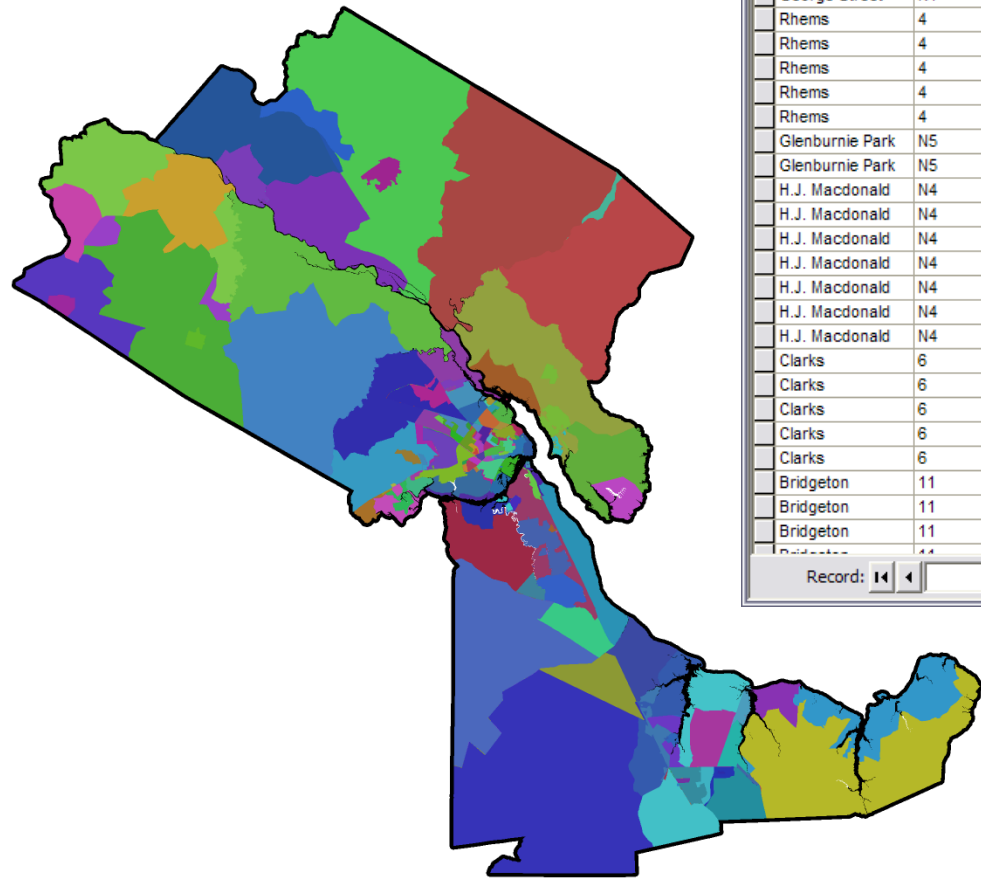
- Custom tools did not check all jurisdictions at once

WHAT IS A PRECINCT ?

In North Carolina counties, a **PRECINCT** is a contiguous portion of the county, which is used for the purpose of voting.



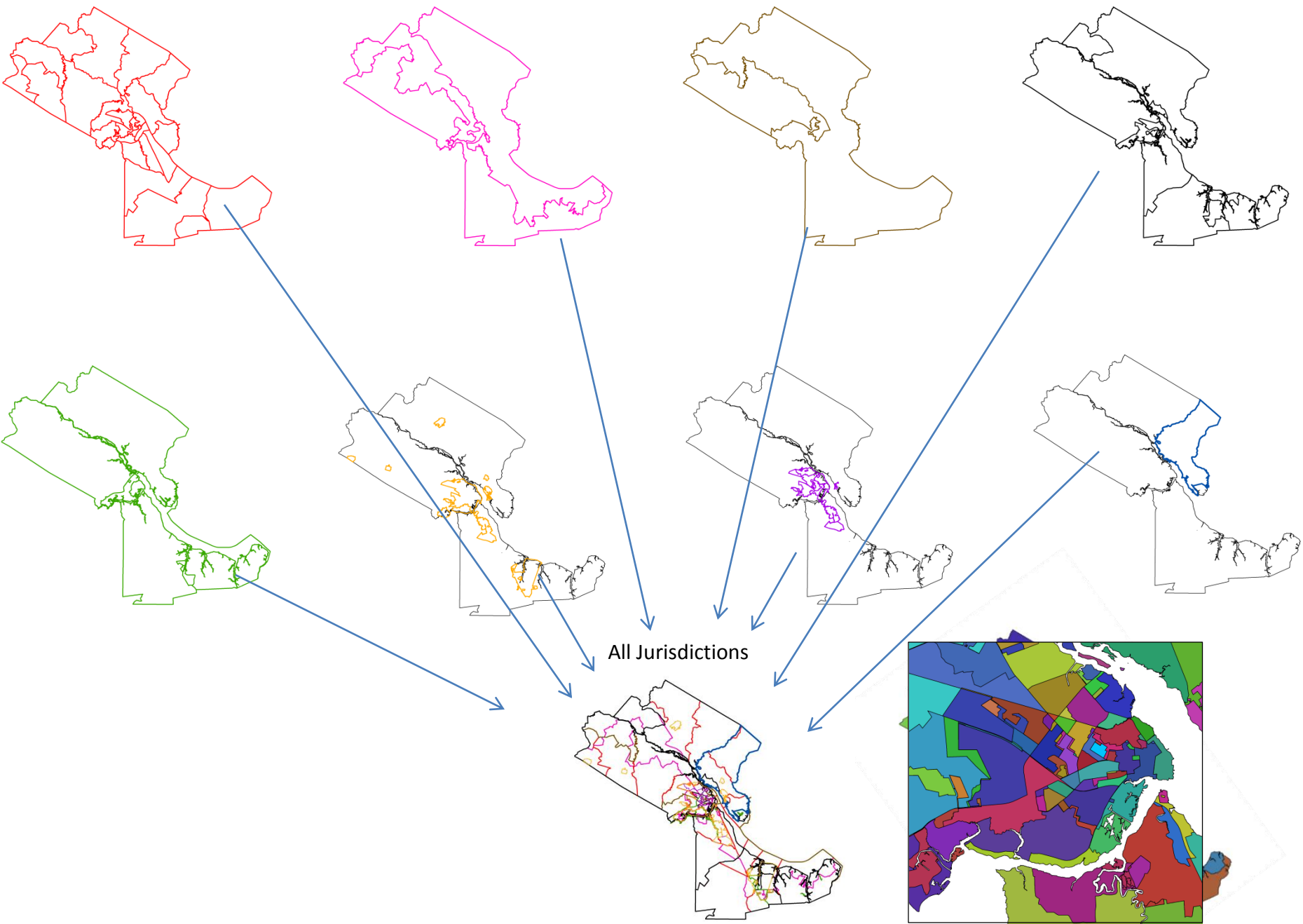
Combining All Jurisdictional Boundaries



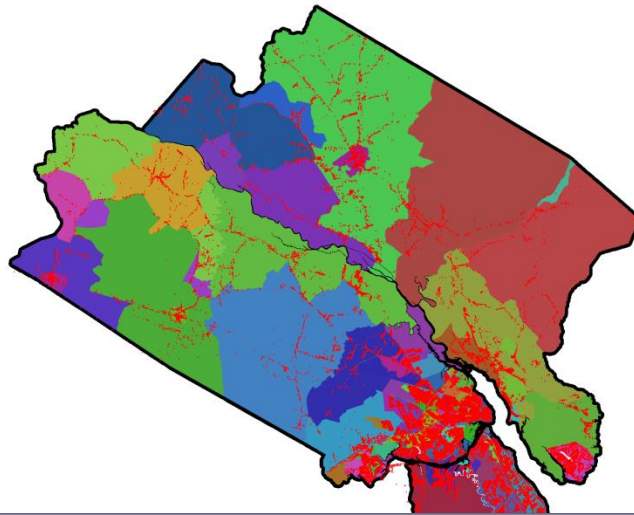
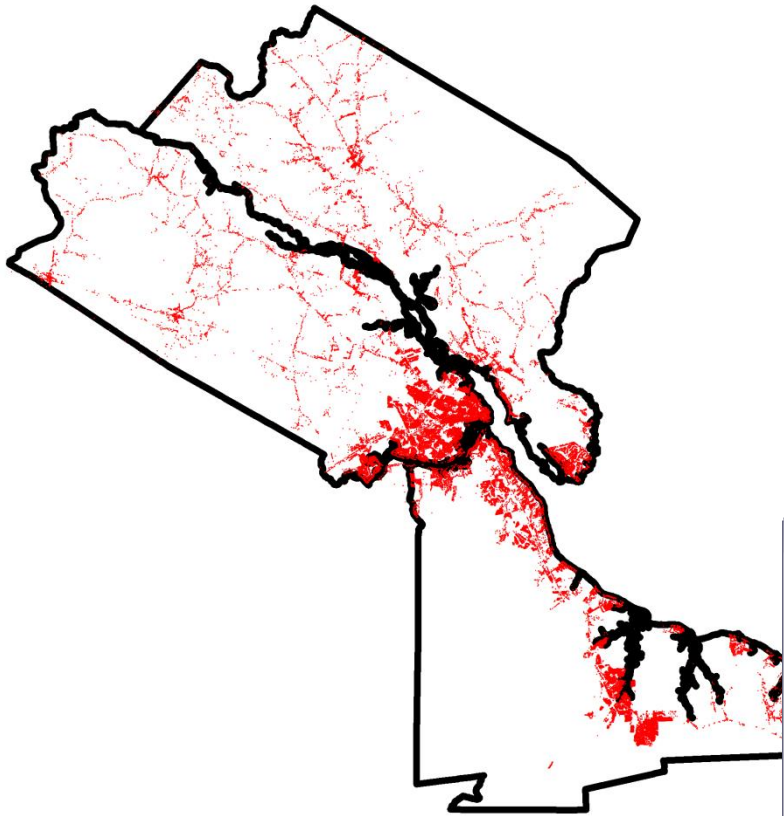
Attributes of All_Jurisdictions_2011

PRECINCT #	PRE_ID	WARD	CONG	HOUSE	COMM	EDUC	WATER	CITY
New Bern West	N6	0	3	12	2 3			NEW
New Bern West	N6	0	3	12	2 2			NEW
New Bern West	N6	0	3	12	4 3			NEW
New Bern West	N6	0	3	12	4 2			NEW
George Street	N1	0	1	12	0 0			NEW
George Street	N1	0	1	12	3 3			NEW
George Street	N1	0	1	12	4 3			TREN
George Street	N1	0	1	12	4 3			NEW
George Street	N1	0	1	3	0 0			NEW
George Street	N1	0	1	3	0 0			NEW
Rhems	4	0	3	10	2 3			NEW
Rhems	4	0	3	10	2 2			NEW
Rhems	4	0	3	10	4 3			NEW
Rhems	4	0	3	12	2 2			NEW
Rhems	4	0	3	12	4 3			NEW
Glenburnie Park	N5	0	1	3	0 0			NEW
Glenburnie Park	N5	0	1	3	0 0			NEW
H.J. Macdonald	N4	0	1	10	2 4			NEW
H.J. Macdonald	N4	0	1	10	2 3			NEW
H.J. Macdonald	N4	0	1	10	2 2			NEW
H.J. Macdonald	N4	0	1	10	0 0			NEW
H.J. Macdonald	N4	0	1	10	0 0			NEW
H.J. Macdonald	N4	0	1	12	2 2			NEW
H.J. Macdonald	N4	0	1	3	0 0			NEW
Clarks	6	0	1	10	2 4			NEW
Clarks	6	0	1	10	2 3			NEW
Clarks	6	0	1	10	2 2			NEW
Clarks	6	0	1	10	0 0			NEW
Clarks	6	0	1	12	2 2			NEW
Bridgeton	11	0	3	3	1 1			BRID
Bridgeton	11	0	3	3	1 1			BRID
Bridgeton	11	0	3	3	1 1			BRID

Record: 1 Show: All Selected Records (0 out of 754 Selected) Options



Creating All Jurisdiction Points



Attributes of Address_Jurisdiction_Points

ST_NUM	UNIT	PRE	ROAD_NAME	ROAD	SUF	PRECINCT	WARD	CONG	HOUSE	COMM	EDUC	WATER	CITY
2631			WOODLAND	AVE		H.J. Macdonald	3	1	10	4	4		NEW
2631			ASHLAND	AVE		Grover C. Fields	5	3	10	4	2		NEW
2631			DOVER	RD		Jasper	0	1	12	2	2		
2632			M L KING JR	BLVD		H.J. Macdonald	3	1	10	4	4		NEW
2633			WOODLAND	AVE		H.J. Macdonald	3	1	10	4	4		NEW
2633			OLD AIRPORT	RD		Grantham 2	3	3	3	7	5		NEW
2634			M L KING JR	BLVD		H.J. Macdonald	3	1	10	4	4		NEW
2635			WOODLAND	AVE		H.J. Macdonald	3	1	10	4	4		NEW
2635			STREETS FERRY	RD		Vanceboro	0	3	3	1	1		
2636			M L KING JR	BLVD		H.J. Macdonald	3	1	10	4	4		NEW
2637			WOODLAND	AVE		H.J. Macdonald	3	1	10	4	4		NEW
2638			M L KING JR	BLVD		H.J. Macdonald	3	1	10	4	4		NEW
2639			WOODLAND	AVE		H.J. Macdonald	3	1	10	4	4		NEW
2640			M L KING JR	BLVD		H.J. Macdonald	3	1	10	4	4		NEW
2640			NC 118	HWY		Epworth	0	3	3	1	1		
2640			NC 101	HWY		Harlowe	0	3	12	5	7		
2640			BRICES CREEK	RD		Brices Creek	0	3	3	7	5		
2641			WOODLAND	AVE		H.J. Macdonald	3	1	10	4	4		NEW
2642			M L KING JR	BLVD		H.J. Macdonald	3	1	10	4	4		NEW
2643			WOODLAND	AVE		H.J. Macdonald	3	1	10	4	4		NEW
2645			WOODLAND	AVE		H.J. Macdonald	3	1	10	4	4		NEW
2645	2		TEMPLES POINT	RD		Harlowe	0	3	3	5	7		
2645	3		TEMPLES POINT	RD		Harlowe	0	3	3	5	7		
2645			TEMPLES POINT	RD		Harlowe	0	3	3	5	7		

Record: 0 Show: All Selected Records (0 out of 53558 Selected) Options

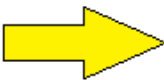
Comparing Voter Registration & Jurisdictions

Select GIS Address Points

SIEMS ADDRESS = GIS ADDRESS
AND
SIEMS CITY = GIS CITY

SELECTION COUNT

= 1 > 1 = 0



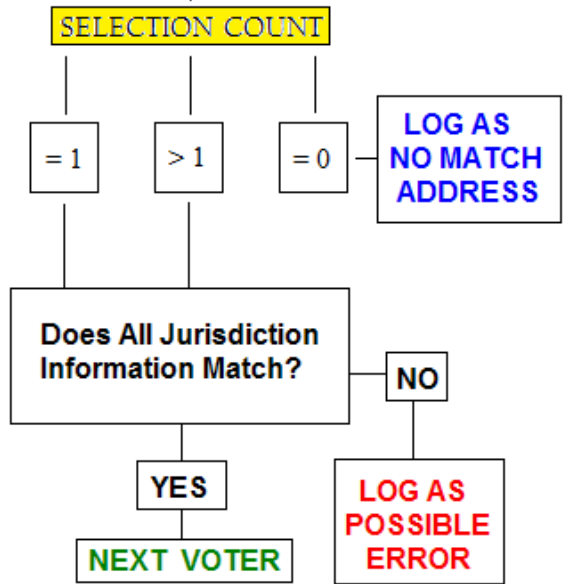
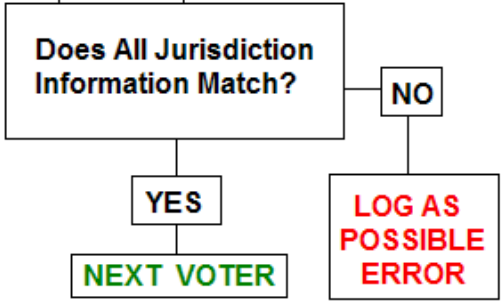
Re-Select GIS Address Points

SIEMS ADDRESS = GIS ADDRESS

SELECTION COUNT

= 1 > 1 = 0

LOG AS
NO MATCH
ADDRESS



Comparing Voter Registration User Interface

CRAVEN ELECTION TOOLS

SELECT PARCELS BY [icon] SELECT JURISDICTION [v] SELECT FROM [v] VERIFICATION TOOLS [v] ANALYSIS [v]

Please Select the Voter Registration Text File

Z:\Voter_Registration_11_25_2011

Search Voter_Registration_11_...

Name	Date modified	Type
Voter_Registration_11_25_2011.txt	10/2/2012 4:55 PM	Text Docu

File name: Voter_Registration_11_25_2011.txt

TXT(*.txt)

Open Cancel

GENERATE POSSIBLE VOTER ERROR REPORT
REVIEW POSSIBLE DISPLACED VOTER FILE

Generating Craven Voter Error Report

45 %

Possible Displaced Voters

Precincts = 516
Municipalities = 184
New Bern Wards = 57
State House Districts = 3757
Commissioner Districts = 425
First Craven Water District = 66
Board of Education Districts = 6685
National Congressional Districts = 847

OK

Possible Displaced Voter Report



ADDRESS	CITY	CONG	SCHL	COMM	CITY	WARD	HOUSE	PREC	WATER
519 JOHNSON ST	NEW BERN	1	3	3	NEW	1	12 (3)	N1	
522 JOHNSON ST	NEW BERN	1	3	3	NEW	1	12 (3)	N1	
601 JOHNSON ST	NEW BERN	1	3 (4)	3	NEW	1	12	N1	
611 JOHNSON ST	NEW BERN	1	3 (4)	3	NEW	1	12	N1	
6 JONES RD	HAVELOCK	3	7 (6)	5	HAVE	0	3	22	
207 JONES RD	HAVELOCK	3	7 (6)	5	HAVE	0	3	22	
1 JONES ST	HAVELOCK	1 (3)	5 (6)	7		0	3	22	
2 JONES ST	HAVELOCK	1 (3)	5 (6)	7		0	3	22	
4 JONES ST	HAVELOCK	1 (3)	5 (6)	7		0	3	22	
5 JONES ST	HAVELOCK	1 (3)	5 (6)	7		0	3	22	
6 JONES ST	HAVELOCK	1 (3)	5 (6)	7		0	3	22	
8 JONES ST	HAVELOCK	1 (3)	5 (6)	7		0	3	22	
9 JONES ST	HAVELOCK	1 (3)	5 (6)	7		0	3	22	
10 JONES ST	HAVELOCK	1 (3)	5 (6)	7		0	3	22	
11 JONES ST	HAVELOCK	1 (3)	5 (6)	7		0	3	22	
14 JONES ST	HAVELOCK	1 (3)	5 (6)	7		0	3	22	
180 JONESTOWN RD	DOVER	3 (1)	2	2		0	12	8	
722 JONESTOWN RD	DOVER	3 (1)	2	2		0	12	8	
724 JONESTOWN RD	DOVER	3 (1)	2	2		0	12	8	
750 JONESTOWN RD	DOVER	3 (1)	2	2		0	12	8	
1090 JONESTOWN RD	DOVER	3	2	2		0	12	8 (10)	
1100 JONESTOWN RD	DOVER	3	2	2		0	12	8 (10)	
1104 JONESTOWN RD	DOVER	3	2	2		0	12	8 (10)	
1210 JONESTOWN RD	DOVER	3 (1)	2	2		0	12	8	
1240 JONESTOWN RD	DOVER	3 (1)	2	2		0	12	8	
1590 JONESTOWN RD	DOVER	3 (1)	2	2		0	12	8	
106 JOSHWOOD DR	NEW BERN	3	1 (2)	1		0	3	11	FC
108 JOSHWOOD DR	NEW BERN	3	1 (2)	1		0	3	11	FC
100 JUBILEE PL	NEW BERN	3	5 (6)	7		0	3	17	

SELECT

 Auto
Zoom

CLEAR SELECTION



PRINT

EXPORT

Comparing Voter Registration & Jurisdictions

- Advantages
 - Allows Verification of All Jurisdictions at Once
 - Uses logic to find best possible match
 - Flags matches that may not be perfect
 - Provides List of Addresses without GIS Match
- Disadvantages
 - Complex Analysis Requires Time
 - Requires Programming (VB.NET / SQL)
 - User Still Responsible for Reviewing Details

Search and Analysis Tools

Select Address Jurisdiction Points

EVEN **DOUBLE CLICK TO SELECT Search Results: 200**

ST NUM

PREFIX

STREET NAME

ST TYPE

SUFFIX

CITY

Multi Select

Auto Zoom

ROAD_NAME = 'RIVER' AND ROAD_TYPE = 'RD'

- 9620 RIVER RD GRIFTON
- 9750 RIVER RD GRIFTON
- 9940 RIVER RD GRIFTON
- 10350 RIVER RD GRIFTON
- 506 RIVER RD NEW BERN
- 508 RIVER RD NEW BERN
- 510 RIVER RD NEW BERN
- 600 RIVER RD NEW BERN
- 602 RIVER RD NEW BERN
- 608 RIVER RD NEW BERN UNIT: A
- 608 RIVER RD NEW BERN
- 612 RIVER RD NEW BERN
- 614 RIVER RD NEW BERN
- 700 RIVER RD NEW BERN
- 702 RIVER RD NEW BERN
- 802 RIVER RD NEW BERN
- 804 RIVER RD NEW BERN
- 900 RIVER RD NEW BERN
- 1200 RIVER RD NEW BERN
- 1204 RIVER RD NEW BERN
- 1208 RIVER RD NEW BERN
- 1210 RIVER RD NEW BERN
- 1212 RIVER RD NEW BERN
- 1214 RIVER RD NEW BERN
- 0 RIVER RD VANCEBORO
- 126 RIVER RD VANCEBORO
- 130 RIVER RD VANCEBORO
- 3710 RIVER RD VANCEBORO
- 3750 RIVER RD VANCEBORO UNIT: 20

Analyze Selected Address Jurisdiction Points

PREC	CONG	HOUS	COMM	EDUC	WARD	CITY	WATER
14	3	10	1	1	0		
14	3	3	1	1	0		
15	3	10	1	2	0		
15	3	12	1	2	0		
16	3	3	7	5	0		
23	3	3	7	5	0		
3	3	10	4	3	0	TREN	
N6	3	10	4	3	6	NEW	

ODD ADDRESS NUMBERS

- 125 RIVER RD VANCEBORO
- 3425 RIVER RD VANCEBORO
- 3445 RIVER RD VANCEBORO
- 3455 RIVER RD VANCEBORO
- 3545 RIVER RD VANCEBORO
- 3555 RIVER RD VANCEBORO
- 3565 RIVER RD VANCEBORO
- 3575 RIVER RD VANCEBORO
- 3585 RIVER RD VANCEBORO
- 3605 RIVER RD VANCEBORO
- 3615 RIVER RD VANCEBORO
- 3625 RIVER RD VANCEBORO
- 3635 RIVER RD VANCEBORO
- 3645 RIVER RD VANCEBORO
- 3705 RIVER RD VANCEBORO
- 3715 RIVER RD VANCEBORO
- 3885 RIVER RD VANCEBORO
- 3905 RIVER RD VANCEBORO
- 4041 RIVER RD VANCEBORO
- 4045 RIVER RD VANCEBORO
- 4051 RIVER RD VANCEBORO
- 4055 RIVER RD VANCEBORO
- 4065 RIVER RD VANCEBORO

EVEN ADDRESS NUMBERS

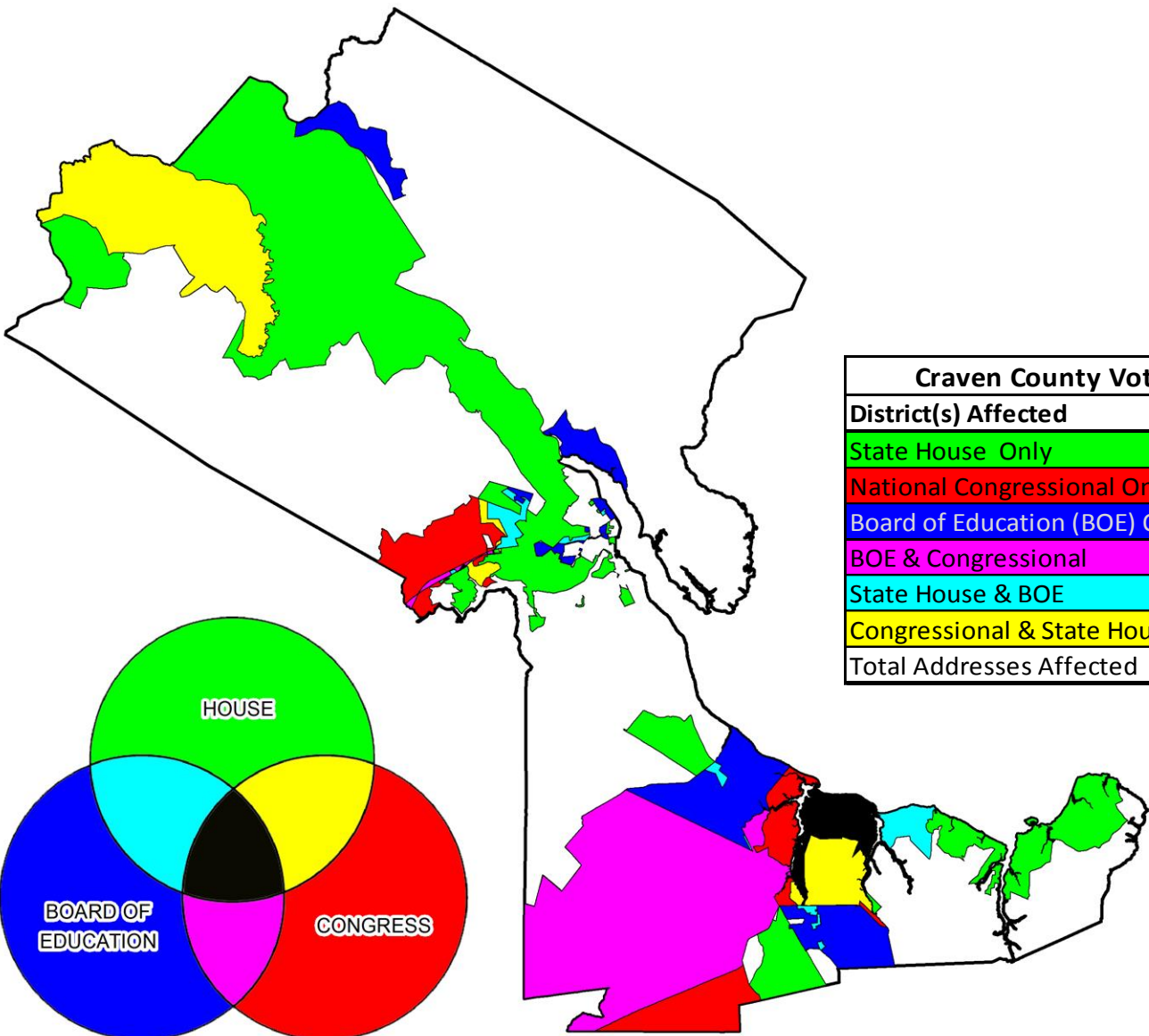
- 126 RIVER RD VANCEBORO
- 130 RIVER RD VANCEBORO
- 3710 RIVER RD VANCEBORO
- 3750 RIVER RD 20 VANCEBORO
- 3750 RIVER RD 11 VANCEBORO
- 3750 RIVER RD 10 VANCEBORO
- 3750 RIVER RD 22 VANCEBORO
- 3750 RIVER RD 21 VANCEBORO
- 3750 RIVER RD 19 VANCEBORO
- 3750 RIVER RD 16 VANCEBORO
- 3750 RIVER RD 15 VANCEBORO
- 3750 RIVER RD 17 VANCEBORO
- 3750 RIVER RD 18 VANCEBORO
- 3750 RIVER RD 9 VANCEBORO
- 3750 RIVER RD 4 VANCEBORO
- 3750 RIVER RD 5 VANCEBORO
- 3750 RIVER RD 3 VANCEBORO
- 3750 RIVER RD 1 VANCEBORO
- 3750 RIVER RD 2 VANCEBORO
- 3750 RIVER RD 6 VANCEBORO
- 3750 RIVER RD 13 VANCEBORO
- 3750 RIVER RD 12 VANCEBORO
- 3750 RIVER RD 8 VANCEBORO
- 3750 RIVER RD 14 VANCEBORO

Save Current Selection

AutoZoom

SELECTION COUNT: 432

Results from the 2011 Redistricting



Craven County Voters Affected by 2011 Redistricting		
District(s) Affected	Address Count	% of Total
State House Only	7,791	25.20
National Congressional Only	600	1.94
Board of Education (BOE) Only	3,814	12.34
BOE & Congressional	1,445	4.67
State House & BOE	1,519	4.91
Congressional & State House	438	1.42
Total Addresses Affected	15,607	50.48

Conclusions

- Importance of Address Data!!!
- Inter-Governmental Teamwork (Local – Federal)

Data sharing, Collaboration, Communication

- Unexpected benefits of this project...
- Can these methods be applied in other Counties?

YES ??? or NO ???

Thanks!!!

Questions? Comments?

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Craven County IT / GIS

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