WAKE COUNTY
NORTH CAROLINA

Crime Analytics

Web Application

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What they want:

- Simple queries that also happen to show location
- Spatial queries that may also limit on other attributes (type, date)
- EASY

No, really

What we tried:

- ArcGIS Desktop
- ArcGIS Online
- Custom application

Their data:

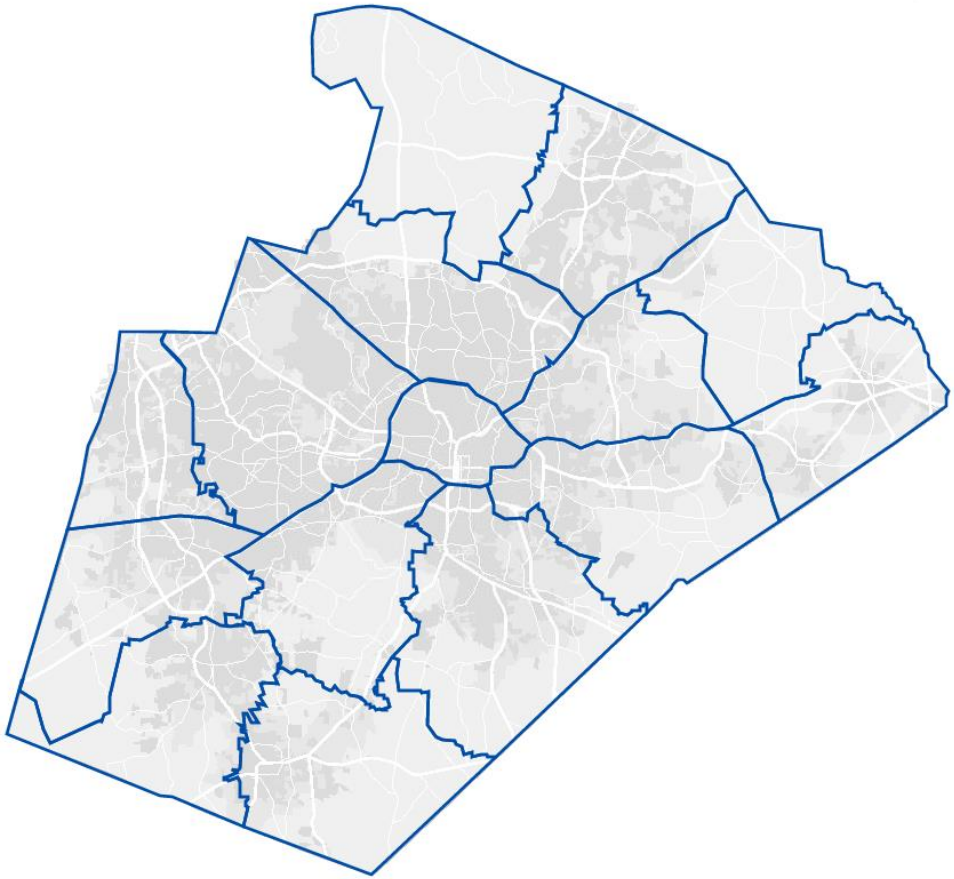
- Official Crime Reports
  - NOT call data
  - Only Wake Co. Sheriff data
- SQL Server tables (~14,000 records)
- Pre-existing X/Y coordinates
- Geocode comparison

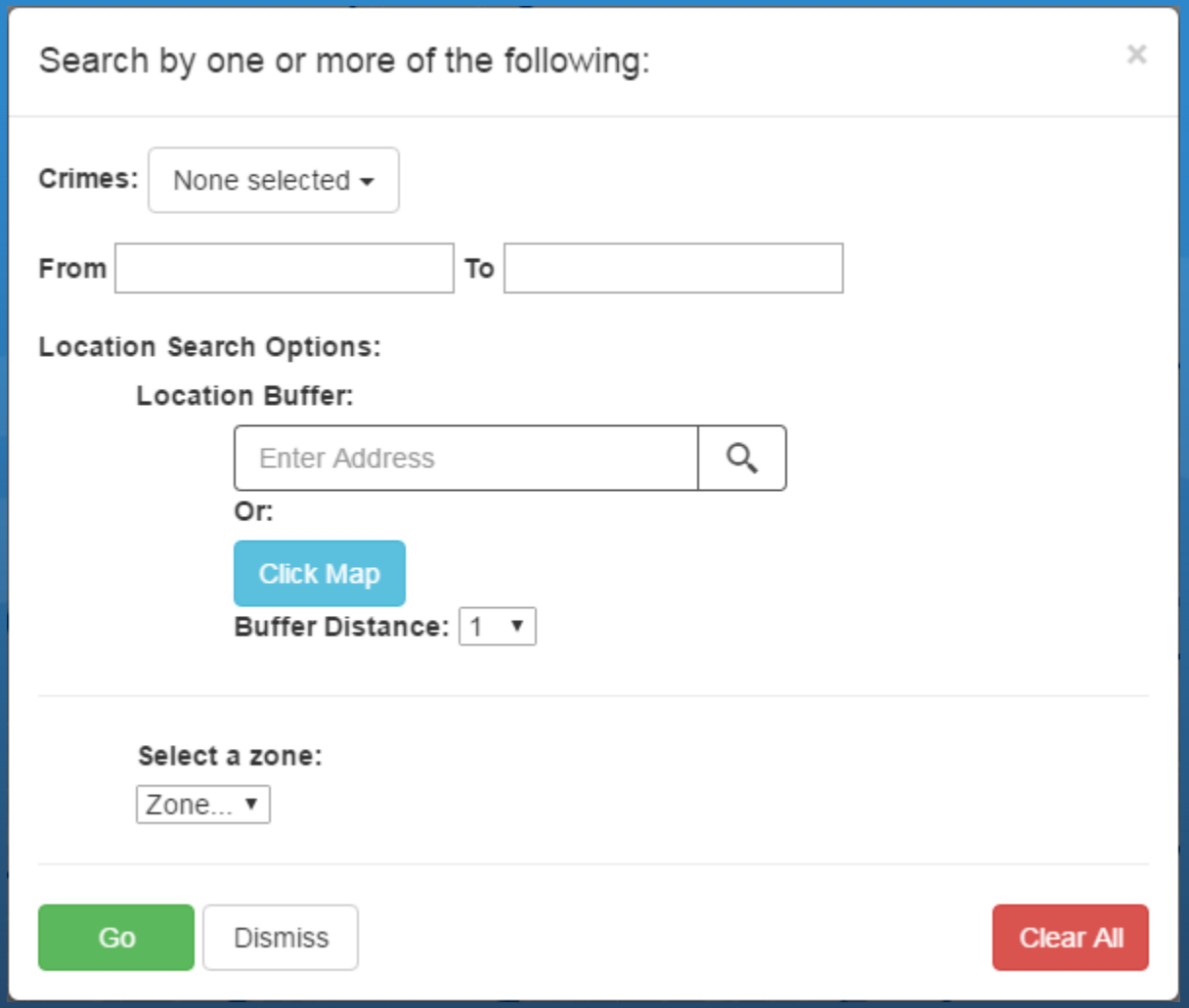
Application Requirements:

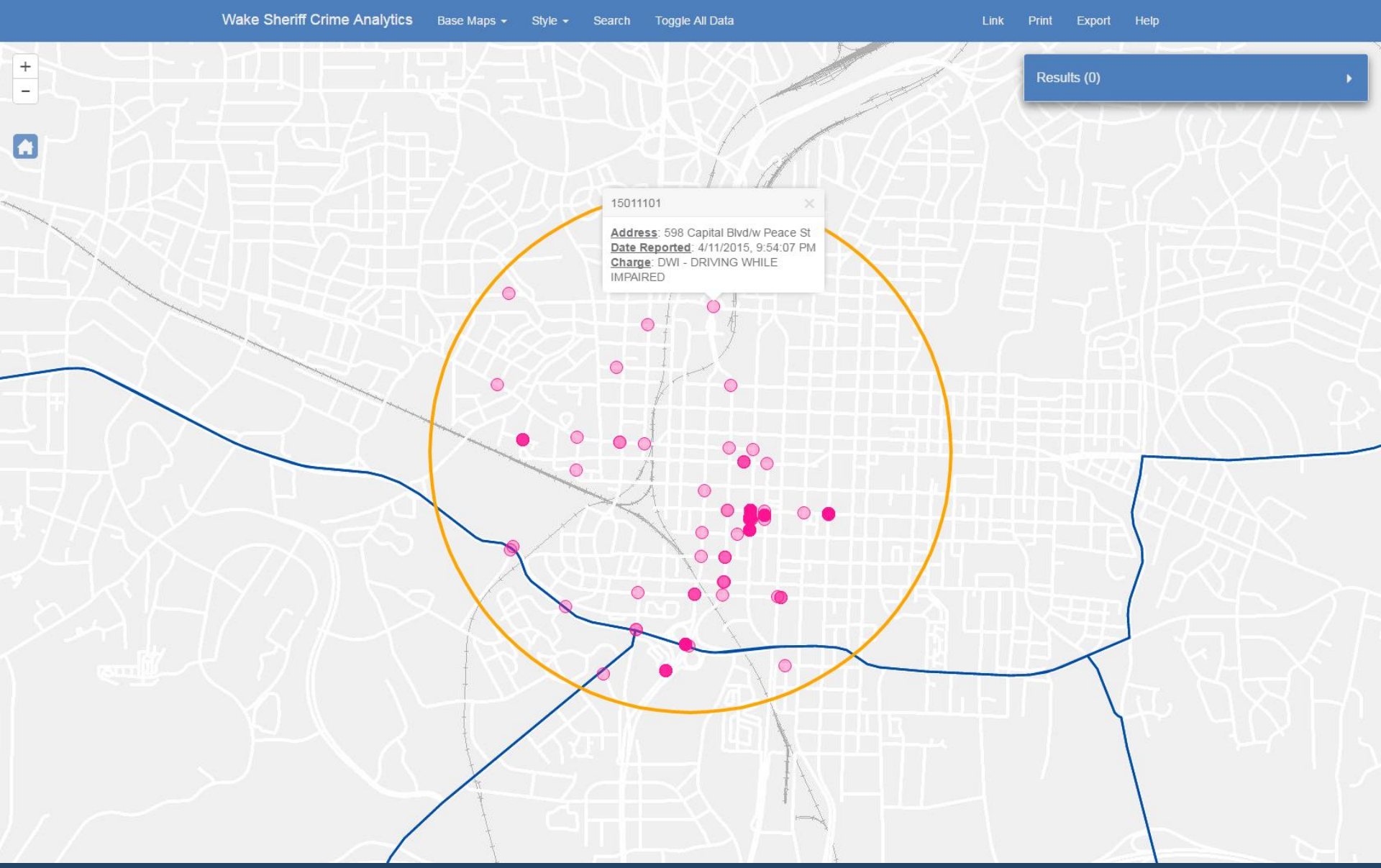
- Simple text search
- Proximity search
- Heat map option
- Shareable links
- Data export

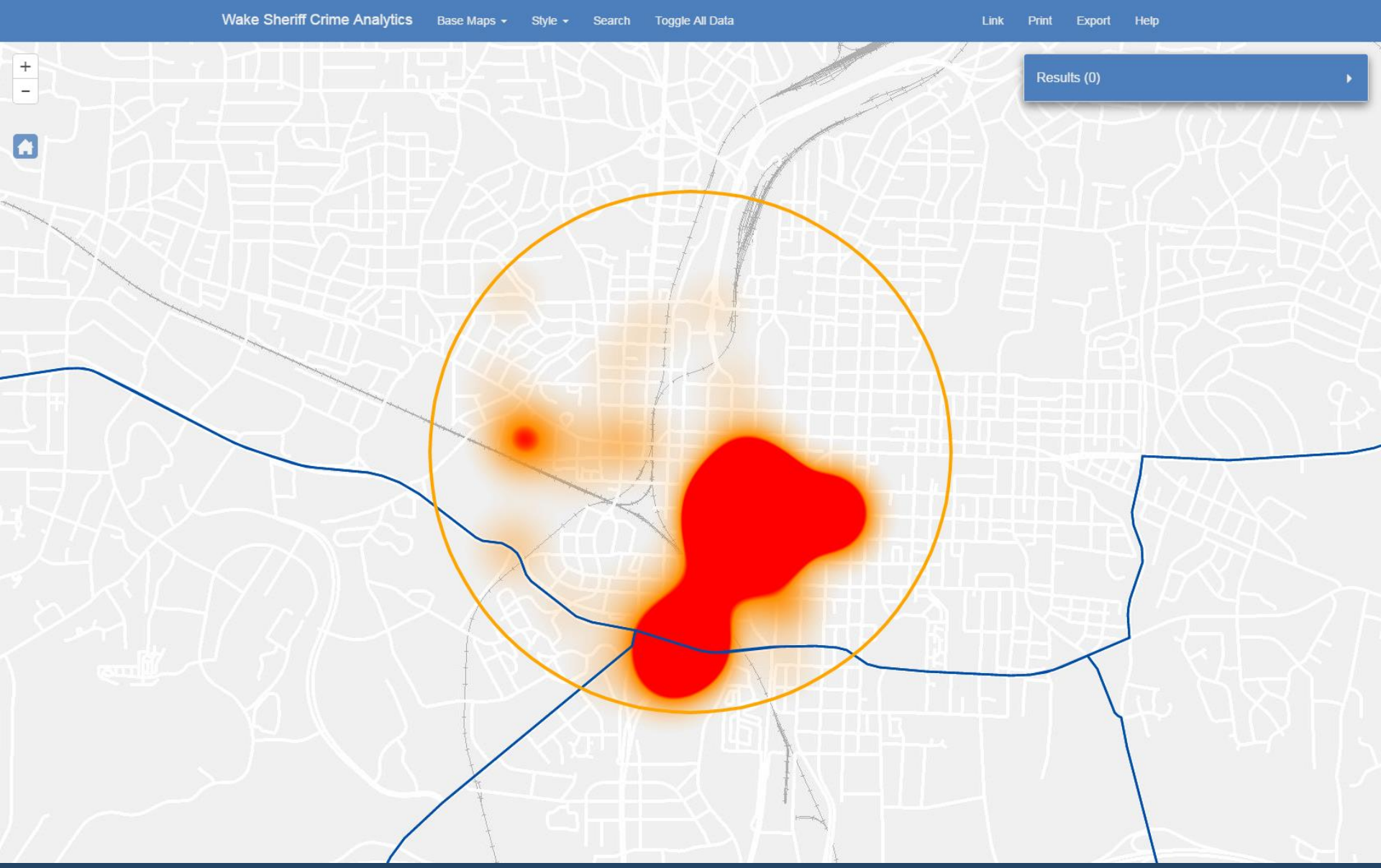
Wake Sheriff Crime Analytics Base Maps Style Search Toggle All Data Link Print Export Help

Results (0)



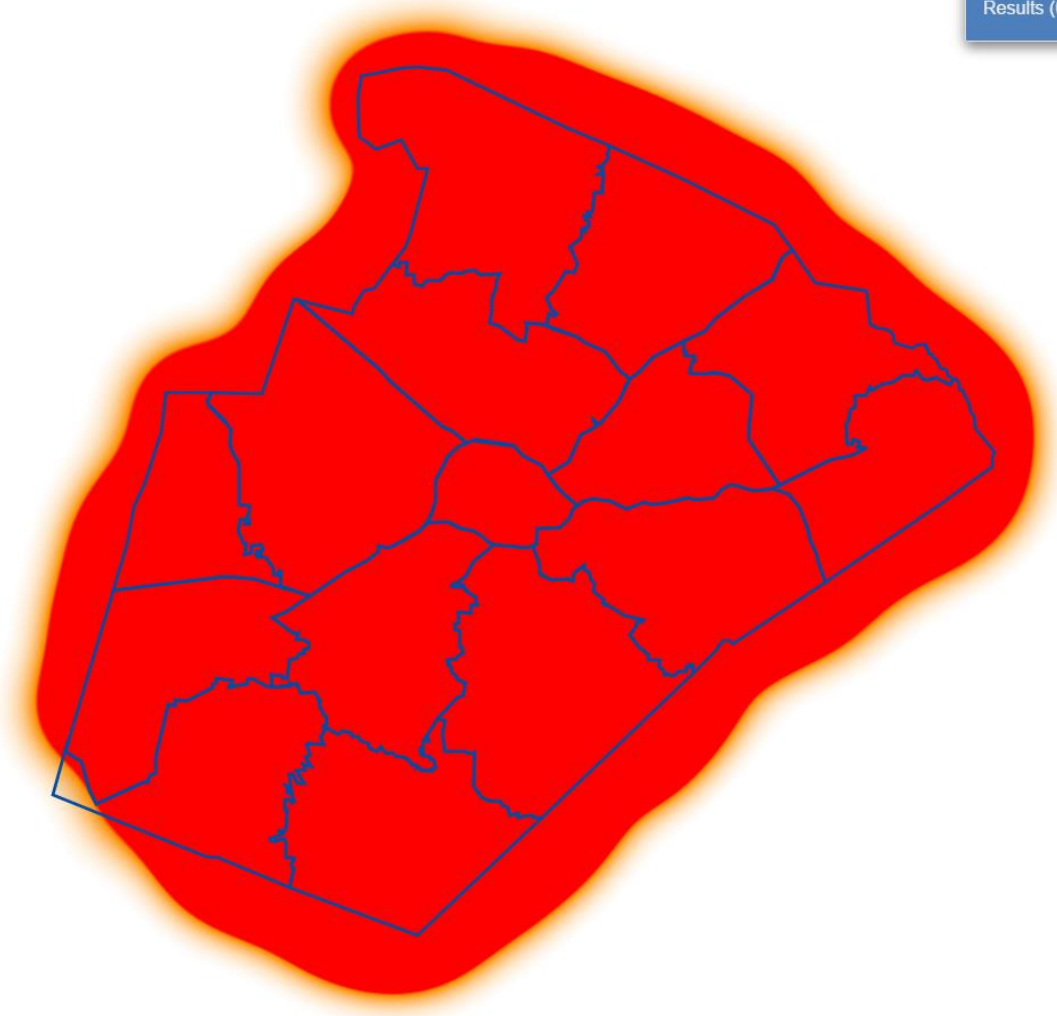

Search by one or more of the following:
Crimes:
None selected
From
To
Location Search Options:
Location Buffer:
Enter Address
Or:
Click Map
Buffer Distance:
1
Select a zone:
Zone...
Go
Dismiss
Clear All

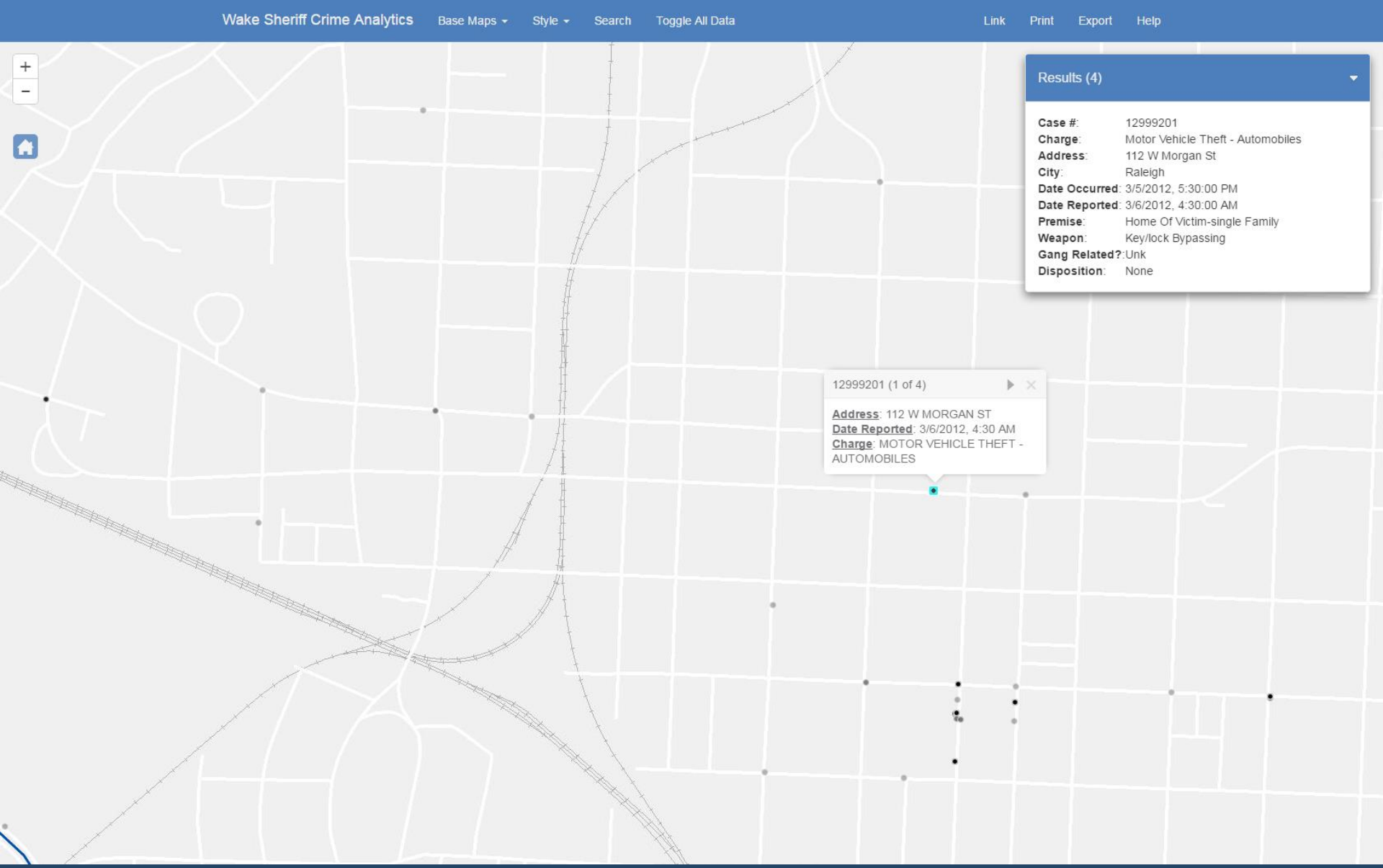

Wake Sheriff Crime Analytics
Base Maps
Style
Search
Toggle All Data
Link
Print
Export
Help
Results (0)
15011101
Address: 598 Capital Blvd/w Peace St
Date Reported: 4/11/2015, 9:54:07 PM
Charge: DWI - DRIVING WHILE IMPAIRED

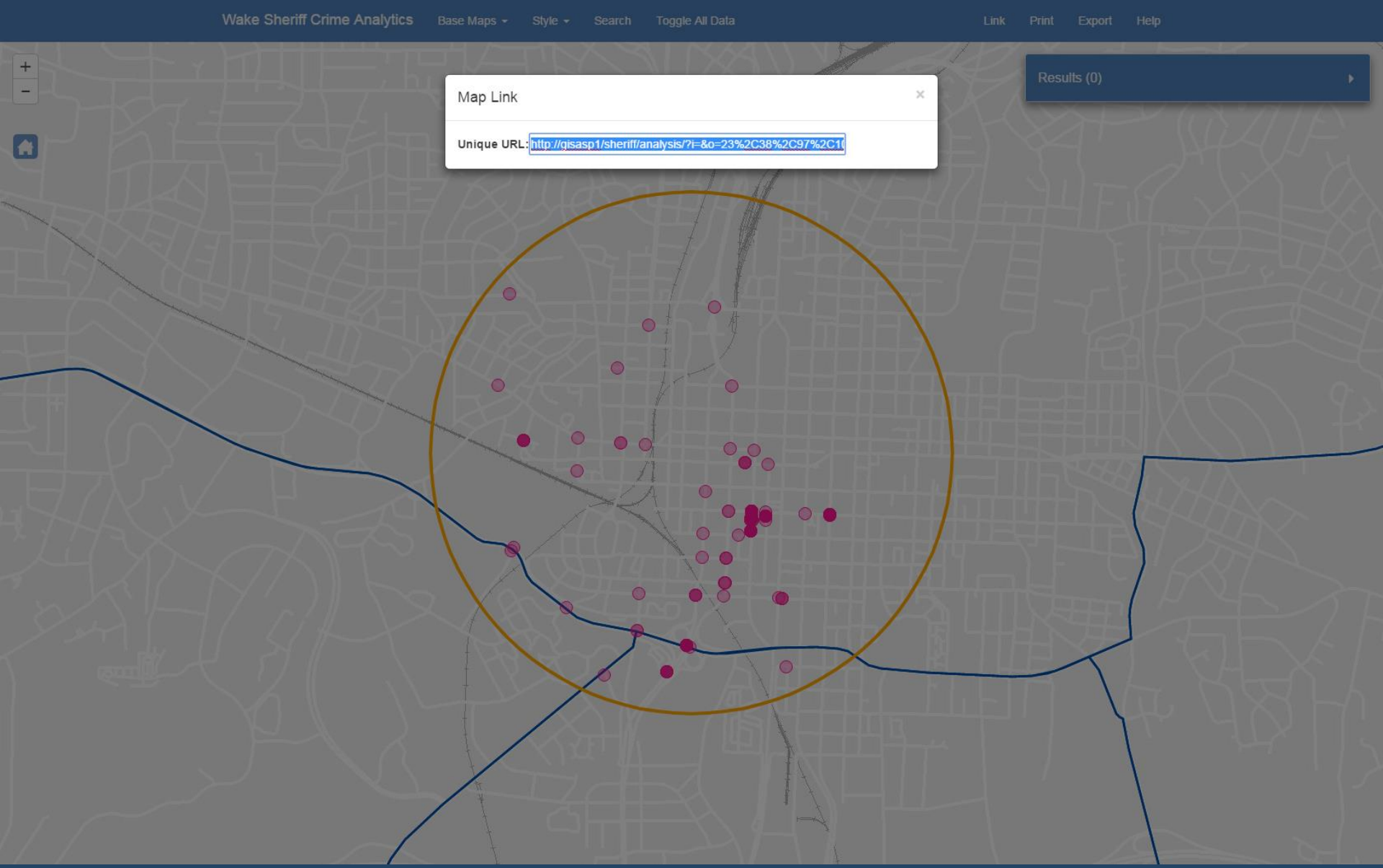

Wake Sheriff Crime Analytics
Base Maps
Style
Search
Toggle All Data
Link
Print
Export
Help
Results (0)

Wake Sheriff Crime Analytics Base Maps Style Search Toggle All Data Link Print Export Help

Results (0)




Wake Sheriff Crime Analytics
Base Maps
Style
Search
Toggle All Data
Link
Print
Export
Help
Results (4)
Case #: 12999201
Charge: Motor Vehicle Theft - Automobiles
Address: 112 W Morgan St
City: Raleigh
Date Occurred: 3/5/2012, 5:30:00 PM
Date Reported: 3/6/2012, 4:30:00 AM
Premise: Home Of Victim-single Family
Weapon: Key/lock Bypassing
Gang Related?: Unk
Disposition: None
12999201 (1 of 4)
Address: 112 W MORGAN ST
Date Reported: 3/6/2012, 4:30 AM
Charge: MOTOR VEHICLE THEFT - AUTOMOBILES


Wake Sheriff Crime Analytics
Base Maps
Style
Search
Toggle All Data
Link
Print
Export
Help
Results (0)
Map Link
Unique URL: http://gisasp1/sheriff/analysis/?i=&o=23%2C38%2C97%2C1(

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	OBJECTID	LWMAINII	INCI_ID	IBRCODE	OFFENSE	DATE_REPT	DATE_OCCU	PREMISE	STREETNB	STREET	CITY	STATE	ZIP	WEAPON	GANGREL
2	23	9311	12031943	1170	FRAUD - IMPERSONATION	3/23/2012, 11:30:00 AM	3/23/2012, 11:30:00 AM	37	330	S SALISBURY ST	RALEIGH	NC	27601	99	NO
3	38	9561	12033553	1400	DAMAGE TO PROPERTY / VANDALISM	4/3/2012, 3:30:00 PM	4/3/2012, 3:00:00 PM	35	330	S SALISBURY ST	RALEIGH	NC	27601	40	NO
4	97	59346	12035517	810	ASSAULT - PHYSICAL, NON-AGGRAVATED	4/23/2012, 10:11:52 AM	4/23/2012, 9:11:00 AM	37	330	S SALISBURY ST	RALEIGH	NC	27601	40	YES
5	107	59600	12036024	1400	DAMAGE TO PROPERTY / VANDALISM	4/28/2012, 2:30:50 PM	4/28/2012, 1:00:00 PM	37	330	S SALISBURY ST	RALEIGH	NC	27601	40	NO
6	115	59703	12035650	1190	FRAUD - ALL OTHER	4/24/2012, 5:10:00 AM	4/18/2012, 12:00:00 PM	35	330	S SALISBURY ST	RALEIGH	NC	27601	40	NO
7	118	59707	12036192	1890	DRUG OFFENSE - ALL OTHER	5/1/2012, 4:19:05 AM	5/1/2012, 3:30:00 AM	37	330	S SALISBURY ST	RALEIGH	NC	27601	97	NO
8	126	59769	12036251	810	ASSAULT - PHYSICAL, NON-AGGRAVATED	5/2/2012, 9:55:27 AM	4/29/2012, 1:45:00 PM	37	330	S SALISBURY ST	RALEIGH	NC	27601	40	NO
9	127	59793	12036302	1190	FRAUD - ALL OTHER	5/2/2012, 11:47:00 AM	4/26/2012, 8:00:00 AM	29	705	W NORTH ST	RALEIGH	NC	27603	40	NO
10	129	59866	12036427	810	ASSAULT - PHYSICAL, NON-AGGRAVATED	5/3/2012, 4:45:33 PM	5/3/2012, 4:45:00 PM	37	330	S SALISBURY ST	RALEIGH	NC	27601	40	UNK
11	134	59897	12036537	1890	DRUG OFFENSE - ALL OTHER	5/4/2012, 6:25:00 PM	5/4/2012, 4:15:00 PM	37	330	S SALISBURY ST	RALEIGH	NC	27601	31	UNK
12	160	60323	12037069	810	ASSAULT - PHYSICAL, NON-AGGRAVATED	5/11/2012, 8:32:27 PM	5/11/2012, 8:32:26 PM	37	330	S SALISBURY ST	RALEIGH	NC	27601	40	YES
13	289	63366	12041144	810	ASSAULT - PHYSICAL, NON-AGGRAVATED	7/7/2012, 8:55:05 AM	7/7/2012, 8:30:00 AM	37	330	S SALISBURY ST	RALEIGH	NC	27601	40	NO
14	290	63386	12041085	1027	COUNTERFEITING - UNDETERMINED	7/6/2012, 5:00:08 AM	7/5/2012, 9:00:05 AM	35	300	S SALISBURY ST	RALEIGH	NC	27601	40	NO
15	299	63674	12041542	1120	FRAUD - OBTAIN MONEY/PROPERTY BY FALSE PRETENSE	7/12/2012, 9:05:10 AM	7/6/2012, 5:00:10 AM	35	2	S SALISBURY ST	RALEIGH	NC	27601	40	NO
16	368	64820	12999201	710	MOTOR VEHICLE THEFT - AUTOMOBILES	3/6/2012, 4:30:00 AM	3/5/2012, 5:30:00 PM	1	112	W MORGAN ST	RALEIGH	NC	27601	51	UNK
17	369	64820	12999201	720	MOTOR VEHICLE THEFT - AUTOMOBILES	3/6/2012, 4:30:00 AM	3/5/2012, 5:30:00 PM	1	112	W MORGAN ST	RALEIGH	NC	27601	51	UNK
18	370	64820	12999201	730	MOTOR VEHICLE THEFT - AUTOMOBILES	3/6/2012, 4:30:00 AM	3/5/2012, 5:30:00 PM	1	112	W MORGAN ST	RALEIGH	NC	27601	51	UNK
19	371	64820	12999201	740	MOTOR VEHICLE THEFT - AUTOMOBILES	3/6/2012, 4:30:00 AM	3/5/2012, 5:30:00 PM	1	112	W MORGAN ST	RALEIGH	NC	27601	51	UNK
20	384	65128	12043612	810	ASSAULT - PHYSICAL, NON-AGGRAVATED	8/8/2012, 8:27:01 AM	8/8/2012, 8:27:00 AM	37	330	S SALISBURY ST	RALEIGH	NC	27601	40	YES
21	624	68194	12047915	810	ASSAULT - PHYSICAL, NON-AGGRAVATED	10/1/2012, 11:16:10 AM	10/1/2012, 9:45:00 AM	37	330	S SALISBURY ST	RALEIGH	NC	27601	40	NO
22	641	68306	12048045	820	ASSAULT - VERBAL, THREAT-INTIMIDATION (NON-PHYSICAL)	10/3/2012, 9:07:13 AM	10/3/2012, 6:30:12 AM	35	316	FAYETTEVILLE ST	RALEIGH	NC	27601	97	NO
23	754	69047	12049062	1190	FRAUD - ALL OTHER	10/16/2012, 8:00:00 PM	10/11/2012, 1:00:00 PM	35	330	S SALISBURY ST	RALEIGH	NC	27601	40	NO
24	755	69080	12049170	2490	DISORDERLY CONDUCT - ALL OTHER	10/17/2012, 8:00:00 PM	10/17/2012, 8:00:00 PM	37	330	S SALISBURY ST	RALEIGH	NC	27601	40	NO
25	787	69268	12049453	810	ASSAULT - PHYSICAL, NON-AGGRAVATED	10/22/2012, 7:23:00 AM	10/22/2012, 5:20:00 AM	37	330	S SALISBURY ST	RALEIGH	NC	27601	40	NO
26	837	69530	12049137	410	ASSAULT - AGGRAVATED	10/17/2012, 7:34:02 PM	10/17/2012, 7:25:00 PM	35	330	S SALISBURY ST	RALEIGH	NC	27601	40	NO
27	931	70340	12050815	410	ASSAULT - AGGRAVATED	11/9/2012, 6:57:00 AM	11/8/2012, 4:45:00 PM	37	330	S SALISBURY ST	RALEIGH	NC	27601	38	NO
28	953	70452	12051024	1890	DRUG OFFENSE - ALL OTHER	11/13/2012, 8:27:00 AM	11/9/2012, 3:10:00 AM	36	1505	HILLSBOROUGH ST	RALEIGH	NC	27605	31	NO
29	982	70680	12051498	890	ASSAULT - ALL OTHER NON-AGGRAVATED	11/16/2012, 9:28:06 AM	11/16/2012, 9:00:00 AM	37	330	S SALISBURY ST	RALEIGH	NC	27601	97	NO
30	1009	70844	12226217	1890	DRUG OFFENSE - ALL OTHER	11/20/2012, 7:30:00 AM	11/20/2012, 7:30:00 AM	35	316	FAYETTEVILLE ST	RALEIGH	NC	27601	97	NO
31	1026	70980	12052036	1890	DRUG OFFENSE - ALL OTHER	11/23/2012, 5:08:12 PM	11/23/2012, 3:15:11 PM	37	330	S SALISBURY ST	RALEIGH	NC	27601	97	NO
32	1304	72962	12054290	810	ASSAULT - PHYSICAL, NON-AGGRAVATED	12/27/2012, 1:02:00 PM	12/27/2012, 9:43:00 AM	37	330	S SALISBURY ST	RALEIGH	NC	27601	40	NO
33	1536	74863	13001717	890	ASSAULT - ALL OTHER NON-AGGRAVATED	1/27/2013, 12:40:36 AM	1/27/2013, 12:20:00 AM	37	330	S SALISBURY ST	RALEIGH	NC	27601	40	NO
34	1581	75151	13001852	410	ASSAULT - AGGRAVATED	1/30/2013, 1:11:26 AM	1/30/2013, 12:00:00 AM	98	330	S SALISBURY ST	RALEIGH	NC	27601	99	UNK
35	1625	75491	13002298	410	ASSAULT - AGGRAVATED	2/5/2013, 4:55:53 AM	2/5/2013, 12:30:00 AM	37	330	S SALISBURY ST	RALEIGH	NC	27601	54	NO
36	1695	76114	13002639	1890	DRUG OFFENSE - ALL OTHER	2/9/2013, 5:00:00 PM	2/9/2013, 5:00:00 PM	38	118	E SOUTH ST	RALEIGH	NC	27601	40	UNK
37	1804	76876	13004052	1890	DRUG OFFENSE - ALL OTHER	2/28/2013, 10:10:00 AM	2/28/2013, 6:00:00 AM	37	330	S SALISBURY ST	RALEIGH	NC	27601	97	NO
38	1900	77598	13004968	820	ASSAULT - VERBAL, THREAT-INTIMIDATION (NON-PHYSICAL)	3/13/2013, 2:20:19 PM	3/13/2013, 1:20:00 PM	37	330	S SALISBURY ST	RALEIGH	NC	27601	97	NO
39	1962	78073	13005318	2650	RESIST, OBSTRUCT, DELAY OF LEO	3/19/2013, 6:00:01 AM	3/19/2013, 6:00:00 AM	35	316	FAYETTEVILLE ST	RALEIGH	NC	27601	99	NO

Exceptions:

- Certain crime types are not shared with us due to security restrictions
- ArcGIS Online/Portal analysis by users

Future Enhancements:

- Call data
- Data from other jurisdictions in Wake County
- Additional Visualizations (clustering, dot density, etc.)
- Further data segmentation options

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