RICHMOND POLICE DEPARTMENT

Richmond City Council Public Safety Meeting

October 22, 2024

POLICE CHIEF RICK EDWARDS

Violent Crime YTD

RICHMOND POLICE DEPARTMENT
City Wide

Reporting Period: 1/1/2024   through 10/21/2024
Compared to same date range starting in 2023

Violent Crimes	Period 2023	Period 2024	Period Change	Period %Change	YTD 2023	YTD 2024	YTD Change	YTD %Change	Pre-Period YTD % Change
09A Homicide Total	**59**	**47**	**-12**	**-20%**	**59**	**47**	**-12**	**-20%**	**0%**
09A Homicide Firearms	*56*	*44*	*-12*	*-21%*	*56*	*44*	*-12*	*-21%*	
Percent 09A Homicide Committed using Firearms	*95%*	*94%*			*95%*	*94%*			
11A Rape Total	**57**	**33**	**-24**	**-42%**	**57**	**33**	**-24**	**-42%**	**0%**
11A Rape Firearms	*2*	*0*	*-2*	*-100%*	*2*	*0*	*-2*	*-100%*	
Percent 11A Rape Committed using Firearms	*4%*	*0%*			*4%*	*0%*			
120E ROBBERY/COMMERCIAL HOUSE	58	47	-11	-19%	58	47	-11	-19%	0%
120 Robbery/Business Total	**58**	**47**	**-11**	**-19%**	**58**	**47**	**-11**	**-19%**	**0%**
120 Robbery/Business Firearms	*40*	*30*	*-10*	*-25%*	*40*	*30*	*-10*	*-25%*	
Percent 120 Robbery/Business Committed using Firearms	*69%*	*64%*			*69%*	*64%*			
Victims Shot	*0*	*1*	*1*	*N/A*	*0*	*1*	*1*	*N/A*	
120A ROBBERY/INDIVIDUAL	149	147	-2	-1%	149	147	-2	-1%	0%
120B ROBBERY/CARJACKING	19	22	3	16%	19	22	3	16%	0%
120F ROBBERY/RESIDENCE	10	10	0	0%	10	10	0	0%	0%
120 Robbery/Individual Total	**178**	**179**	**1**	**1%**	**178**	**179**	**1**	**1%**	**0%**
120 Robbery/Individual Firearms	*107*	*123*	*16*	*14%*	*107*	*123*	*16*	*14%*	
Percent 120 Robbery/Individual Committed using Firearms	*60%*	*69%*			*60%*	*69%*			
Victims Shot	*8*	*6*	*-2*	*-25%*	*8*	*6*	*-2*	*-25%*	
13A1 AGGRAVATED ASSAULT	413	413	0	0%	413	413	0	0%	0%
13A4 AGGRAVATED ASSAULT DOMESTIC	78	68	-10	-13%	78	68	-10	-13%	0%
13A Aggravated Assault Total	**491**	**481**	**-10**	**-2%**	**491**	**481**	**-10**	**-2%**	**0%**
13A Aggravated Assault Firearms	*190*	*188*	*-2*	*-1%*	*190*	*188*	*-2*	*-1%*	
Percent 13A Aggravated Assault Committed using Firearms	*39%*	*39%*			*39%*	*39%*			
Victims Shot	*147*	*156*	*9*	*6%*	*147*	*156*	*9*	*6%*	
Total for Violent Crimes	**843**	**787**	**-56**	**-7%**	**843**	**787**	**-56**	**-7%**	**0%**

Property Crime YTD

RICHMOND POLICE DEPARTMENT
City Wide

Reporting Period: 1/1/2024   through 10/21/2024
Compared to same date range starting in 2023

Property Crimes	Period 2023	Period 2024	Period Change	Period %Change	YTD 2023	YTD 2024	YTD Change	YTD %Change	Pre-Period YTD % Change
200 Arson Total	**28**	**37**	**9**	**32%**	**28**	**37**	**9**	**32%**	**0%**
220A BURGLARY/B&E/RESIDENTIAL	337	340	3	1%	337	340	3	1%	0%
220B BURGLARY/B&E/COMMERCIAL	138	173	35	25%	138	173	35	25%	0%
220C BURGLARY/B&E/OUTBUILDING	97	92	-5	-5%	97	92	-5	-5%	0%
220 Burglary Total	**572**	**605**	**33**	**6%**	**572**	**605**	**33**	**6%**	**0%**
23A PICKPOCKET	11	8	-3	-27%	11	8	-3	-27%	0%
23B PURSE SNATCHING	6	7	1	17%	6	7	1	17%	0%
23C SHOPLIFTING	1295	1488	193	15%	1,295	1,488	193	15%	0%
23D THEFT FROM BUILDING	653	736	83	13%	653	736	83	13%	0%
23E THEFT FROM COIN OPERATED MACHINE OR DEVICE	6	0	-6	-100%	6	0	-6	-100%	0%
23F THEFT FROM MOTOR VEHICLE	2255	1982	-273	-12%	2,255	1,982	-273	-12%	0%
23G THEFT OF MOTOR VEHICLE PARTS/ACCESSORIES	358	253	-105	-29%	358	253	-105	-29%	0%
23H ALL OTHER LARCENY	1083	1130	47	4%	1,083	1,130	47	4%	0%
23 Larceny Total	**5667**	**5,604**	**-63**	**-1%**	**5,667**	**5,604**	**-63**	**-1%**	**0%**
240 MOTOR VEHICLE THEFT	1220	1270	50	4%	1,220	1,270	50	4%	0%
240B THEFT OF MOPED/OTHER VEHICLE TYPE	41	40	-1	-2%	41	40	-1	-2%	0%
240 Auto Theft Total	**1261**	**1,310**	**49**	**4%**	**1,261**	**1,310**	**49**	**4%**	**0%**
Total for Property Crimes	**7,528**	**7,556**	**28**	**0%**	**7,528**	**7,556**	**28**	**0%**	**0%**
Grand Total Major Crimes	**8,371**	**8,343**	**-28**	**0%**	**8,371**	**8,343**	**-28**	**0%**	**0%**

Gunshot Detection

Raven Audio Detection Device

Locate victims & preserve evidence before 911 is ever called

90%

gunshot detection accuracy

<60

second alerts

<90ft

gunshot location accuracy

flock safety

How Flock Safety's Raven Gunshot Detection System Works:
The system uses audio sensors and processing to detect and locate gunshots through several key steps:

1. Audio Detection

➤ Multiple acoustic sensors are mounted on existing infrastructure (poles, buildings)
➤ Sensors continuously monitor environmental sounds
➤ Advanced microphones capture sound signatures across a wide area

2. Sound Analysis & Classification

➤ Machine learning algorithms analyze sound patterns
➤ System distinguishes gunshots from similar sounds (fireworks, car backfires)
➤ Processes acoustic signatures to identify:
  - Type of firearm
  - Number of shots
  - Shooting pattern (single, burst, multiple shooters)

3. Location Triangulation

➤ Uses multiple sensors to pinpoint shooting location
➤ Time difference of sound arrival between sensors helps calculate position
➤ Can typically locate shots within about 25 meters

4. Integration Features

➤ Automatically alerts law enforcement
➤ Can trigger nearby Flock Safety cameras to capture vehicle data
➤ Integrates with real-time crime centers
➤ Can send data to police mobile devices

Gunshot detection systems can provide several advantages for urban areas

1. Faster Response Times

➢ Enable police to respond more quickly to shooting incidents

➢ Provide precise location data to first responders

➢ Can detect shots even when no 911 calls are made

2. Investigative Benefits

➢ Create detailed records of shooting incidents

➢ Help establish timeline of events

➢ Provide evidence for investigations

➢ Can integrate with other surveillance systems like cameras

3. Resource Optimization

➢ Allow better deployment of police resources

➢ Help identify patterns in gun violence

➢ Enable data-driven policing strategies

4. Community Impact

➢ May help reduce gun violence through faster intervention

➢ Can increase community confidence in law enforcement

➢ Provides data for community safety planning

Benefit to Current NIBIN Program
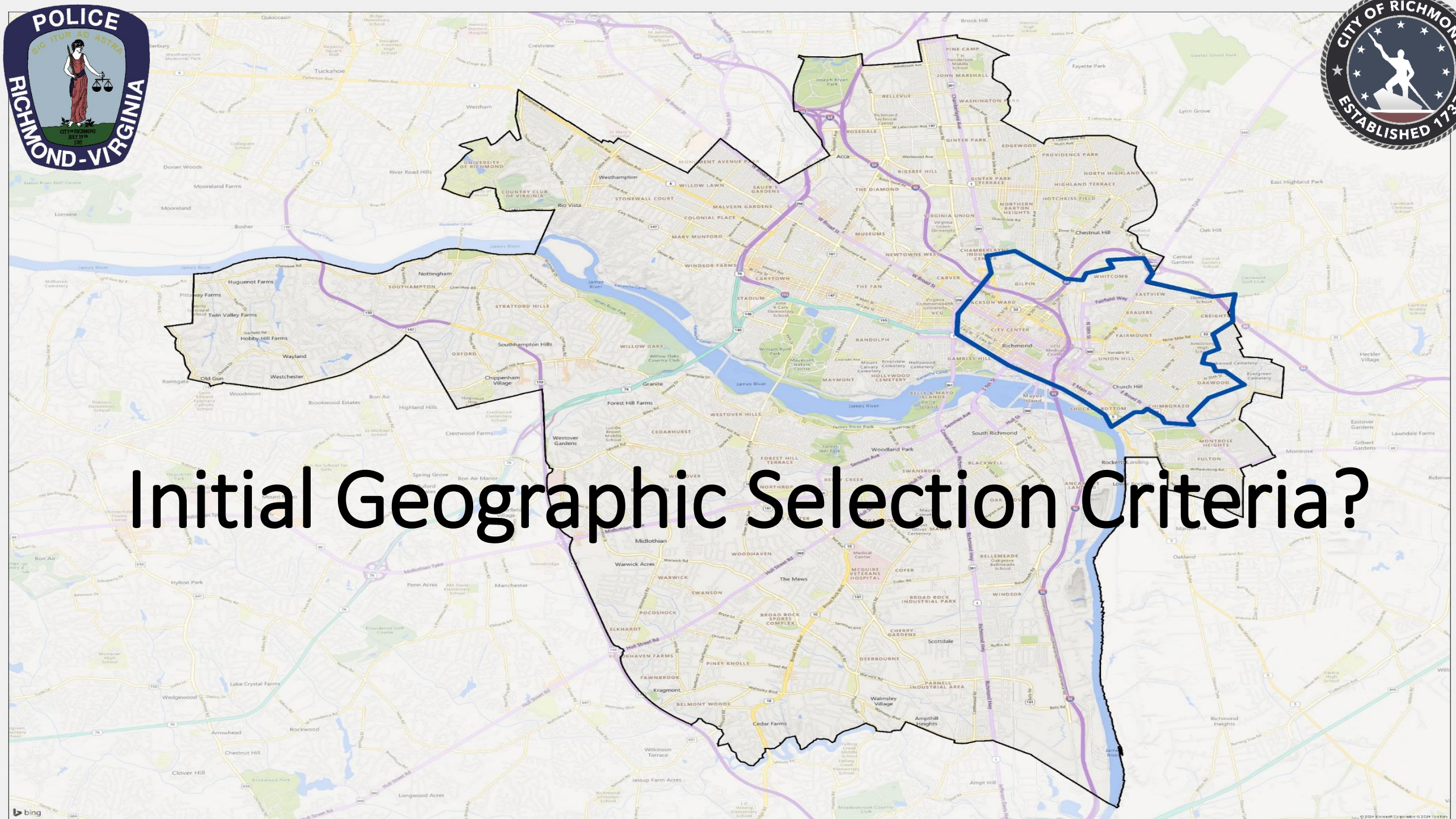## (More Casings Recovered)

2023 Testing
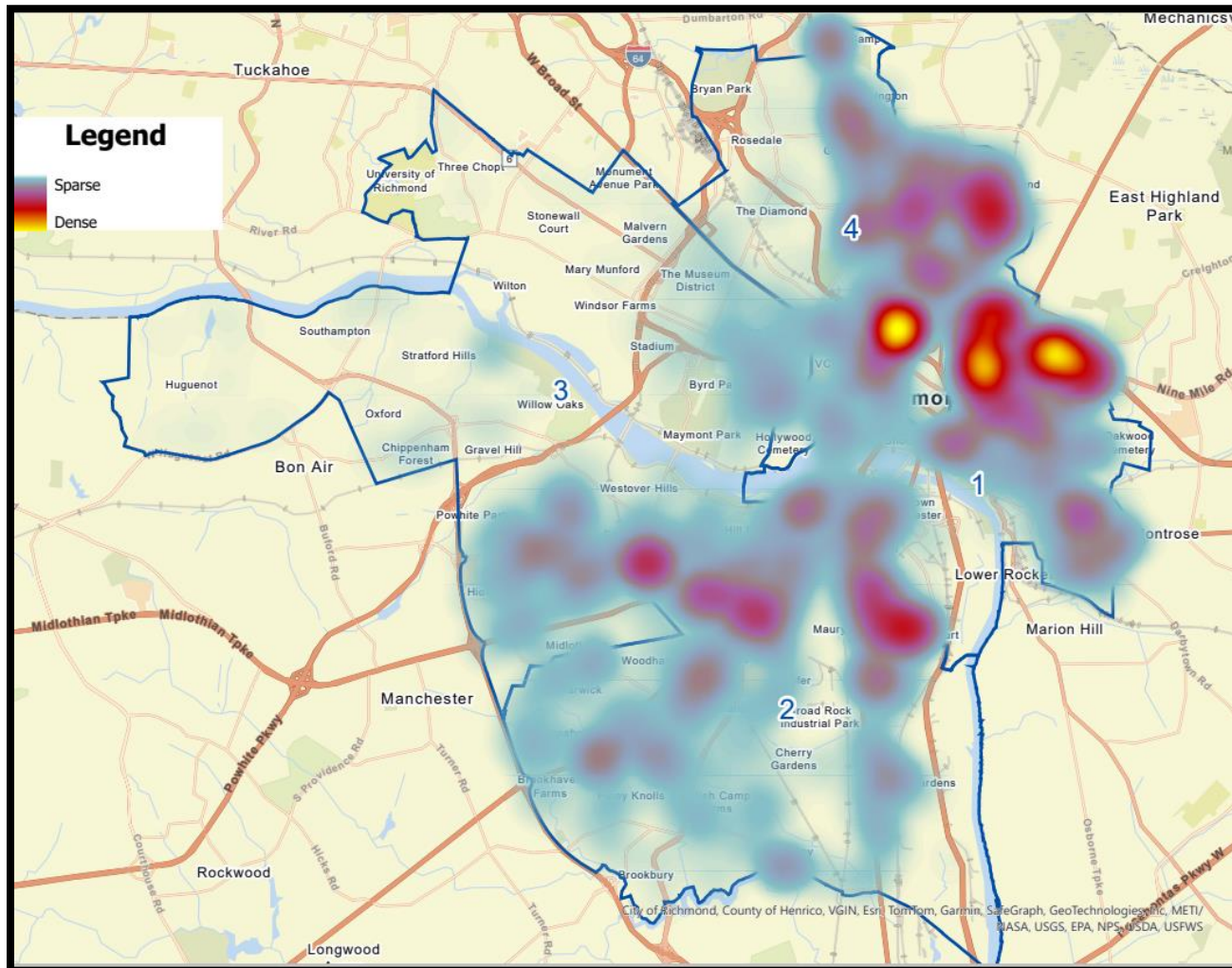1293 Distinct Crime Incidents
435 Leads (33.64%)

2024 Testing
929 Distinct Crime Incidents
283 Leads (30.46%)

Initial Geographic Selection Criteria?

Start Date Goal
Jan 1, 2025

Citizen Reported Calls for Service "Random Gunfire"

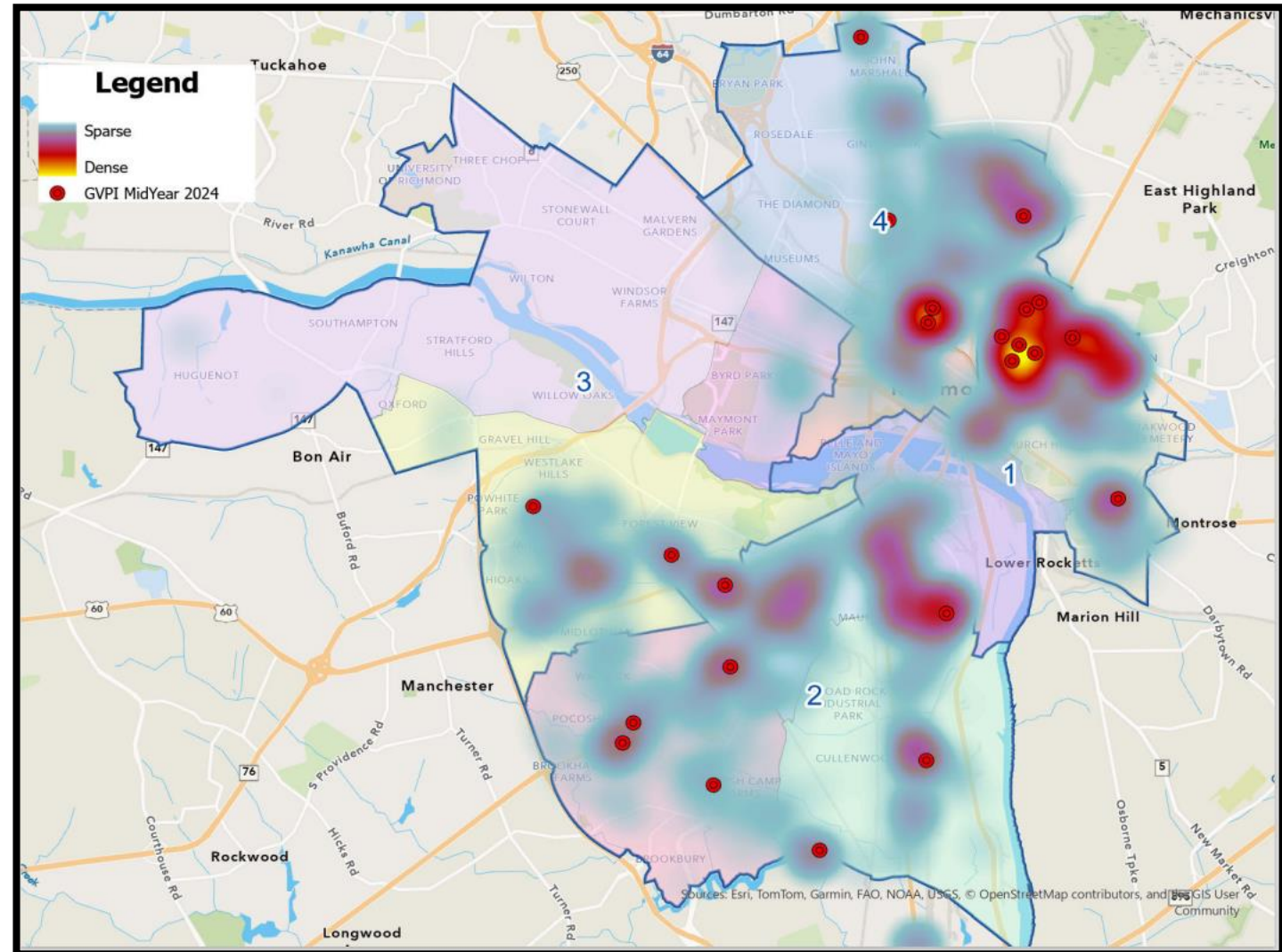| Count of Agency Event Number								
Row Labels	2019	2020	2021	2022	2023	2024	(blank)	Grand Total
1st Precinct	2082	2179	1775	1211	1314	726		9287
Sector 111	565	704	587	407	359	205		2827
Sector 112	511	469	435	327	402	201		2345
Sector 113	1006	1006	753	477	553	320		4115
2nd Precinct	1265	1594	1376	815	867	501		6418
Sector 211	474	534	429	306	270	179		2192
Sector 212	420	599	549	305	352	200		2425
Sector 213	371	461	398	204	245	122		1801
3rd Precinct	1066	1513	1258	788	716	510		5851
Sector 311	106	179	113	107	109	56		670
Sector 312	801	990	952	567	476	345		4131
Sector 313	159	344	193	114	131	109		1050
4th Precinct	1788	2013	1841	1487	1138	704		8971
Sector 411	922	936	841	672	548	305		4224
Sector 412	670	839	774	625	453	291		3652
Sector 413	196	238	226	190	137	108		1095
Uncategorized		2		2				4
Grand Total	6201	7301	6250	4303	4035	2441		30531

Reports of Shootings in Richmond

Gun Related Murders, Non-Fatal Shooting Aggravated Assaults, Non-Fatal Shooting Robberies, Shooting into Occupied Vehicles, and Shooting into Occupied Dwellings

2024 Top 23 Hot Spot Locations

- 2000 Accommodation St
- 3000 Broad Rock Blvd
- 1300 E Brookland Park Blvd
- 2900 Chamberlayne Ave
- 4900 Chamberlayne Ave
- 1500 Clarkson Road
- 1300 Coalter St
- 2200 Deforrest St
- 1500 German School Road
- 1500 Harwood St
- 200 W Hill St
- 5700 Hull Street Road
- 1400 Jennie Scher Road
- 1500 Mechanicsville Tpke
- 4000 Midlothian Tpke
- 2100 Newbourne St
- 5800 Orcutt Lane
- 1900 Raven St
- 2200 Ruffin Road
- 1000 St John St
- 3400 Walmsley Blvd
- 600 Westover Hills Blvd
- 2400 Whitcomb St

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9 HOT SPOTS