

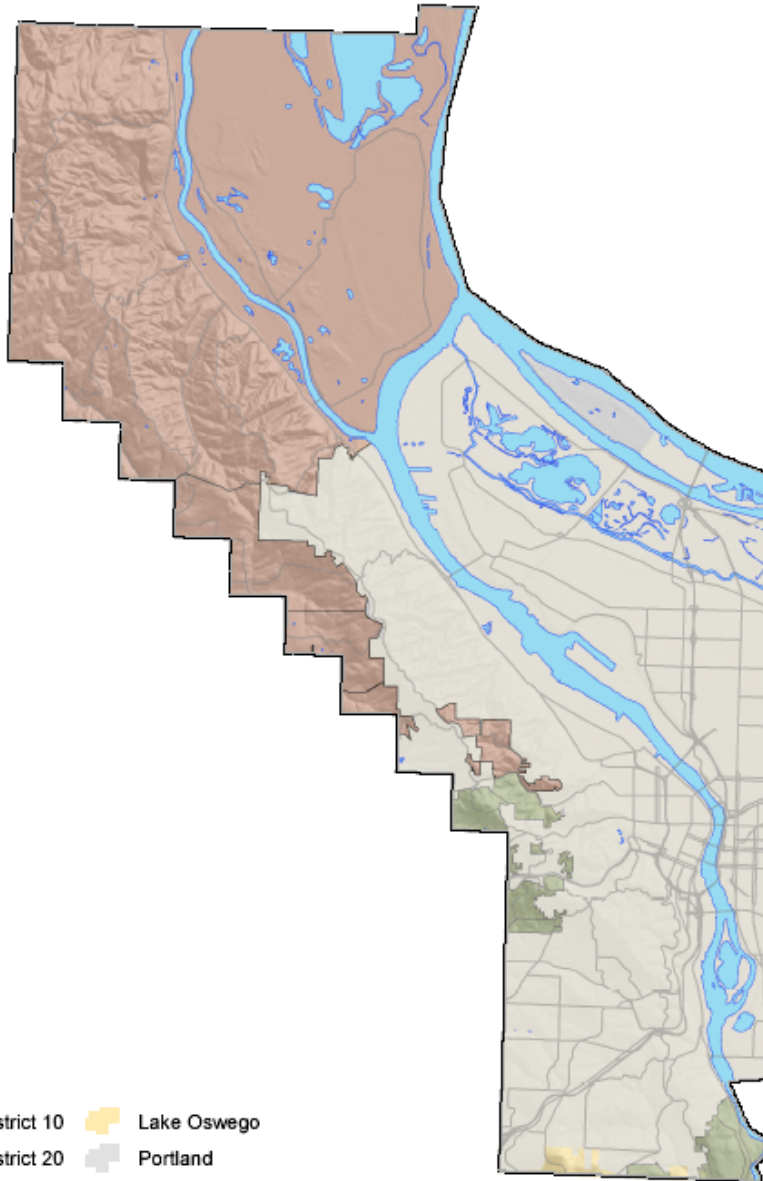
# West Side Patrol Analysis

An Analysis for the Joint City/ County West Side Patrol Work Group. Presented April 10, 2006.



- Geography of West Side Districts
- Demography of West Side Districts
- Citizen Sense of Safety
- Reported Offenses
- Arrests
- Calls for Service
  - Call Volume
  - Call Types
  - Call Locations
  - Response Times
  - Time on Calls
- Current Service Level in 2005
- Contributors

# Geography of West Side Districts



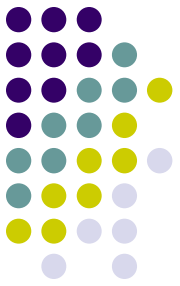
Dist 10=62.5 sq miles

Dist 20=3.4 sq miles

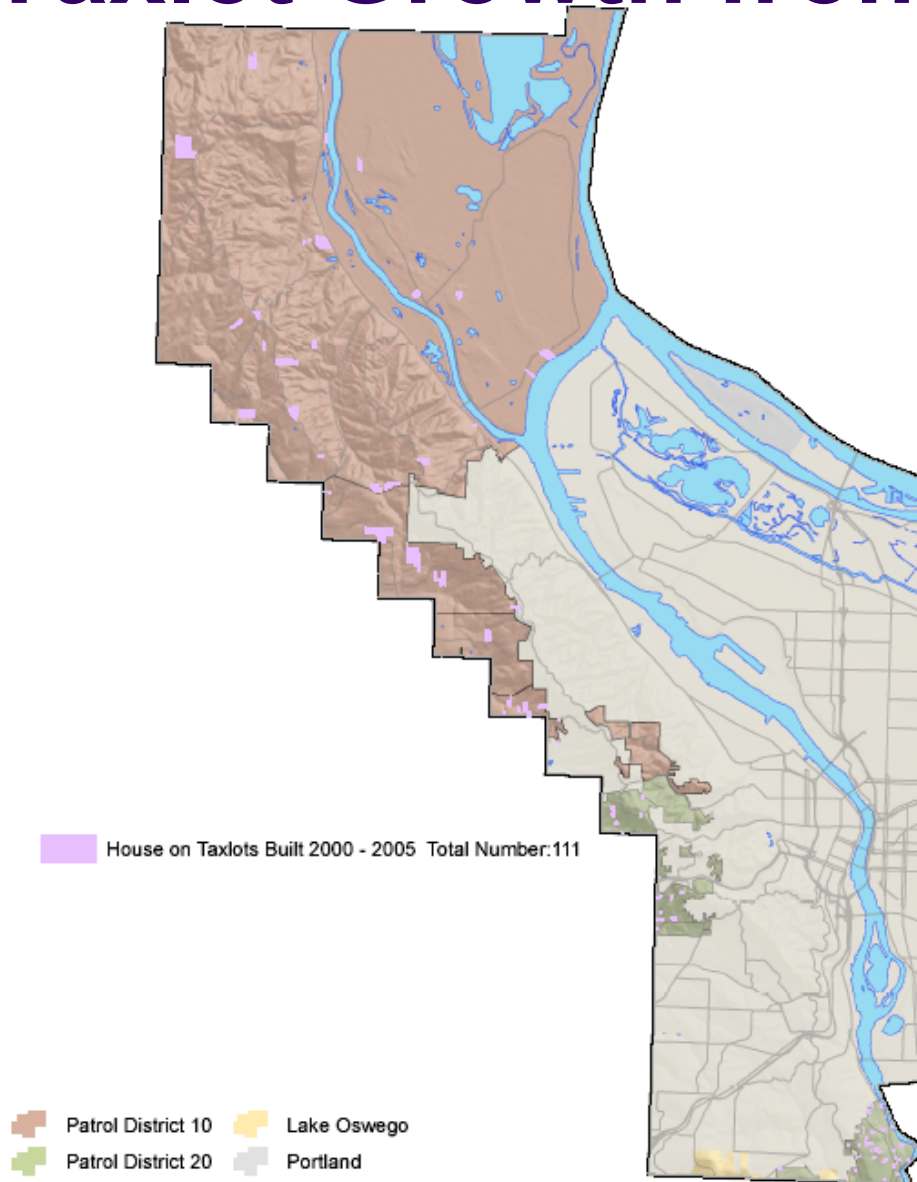
Total=65.9 sq miles

- Patrol District 10
- Patrol District 20
- Lake Oswego
- Portland

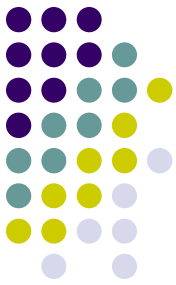
# Taxlot Growth from 2000-2005



Between 2000-2005  
130 new lots were  
added. Of those, 111  
(85%) were houses.  
Annual taxlot growth  
since 2000 was about  
26 lots per year.



# Current Population Estimates



A&T Data: Structures on Taxlots Since 2000					
	Pre-2000 Taxlot Totals	2000 to Current Growth	Current Taxlot Totals	Annual Est. Increase Since 2000	Property Tax Estimate*
Total Dist 10	1,677	69	1,746	14	
Total Dist 20	1,412	61	1,473	12	
<b>Total Taxlots</b>	<b>3,089</b>	<b>130</b>	<b>3,219</b>	<b>26</b>	<b>\$ 5,348,000</b>

Source: Multnomah County GIS and Budget Office

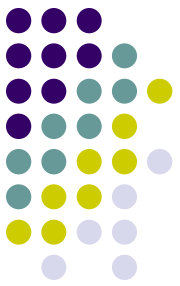
\*County general fund property tax estimate includes all lots and permanent structures.

Population Range Estimates Based on Taxlot Growth by Area					
	Census Population (2000)	Annual Taxlot Growth (Since 2000)	Residents per Taxlot (2000)	Population Estimates 2005	Population Estimates 2010
Dist 10 Sub Areas	4,095	14	2.4	4,263	4,432
Dist 20 Sub Areas	3,605	12	2.6	3,761	3,917
<b>Population Est.</b>	<b>7,700</b>	<b>26</b>		<b>8,024</b>	<b>8,349</b>

Source: Budget Office Evaluation & Multnomah County GIS

**West side unincorporated population estimates (based on growth of taxlots with structure since 2000) suggests about 8,024 persons. In the next 5 years it's estimated to grow 4% total, assuming no annexation.**

# Demography of West Side Districts

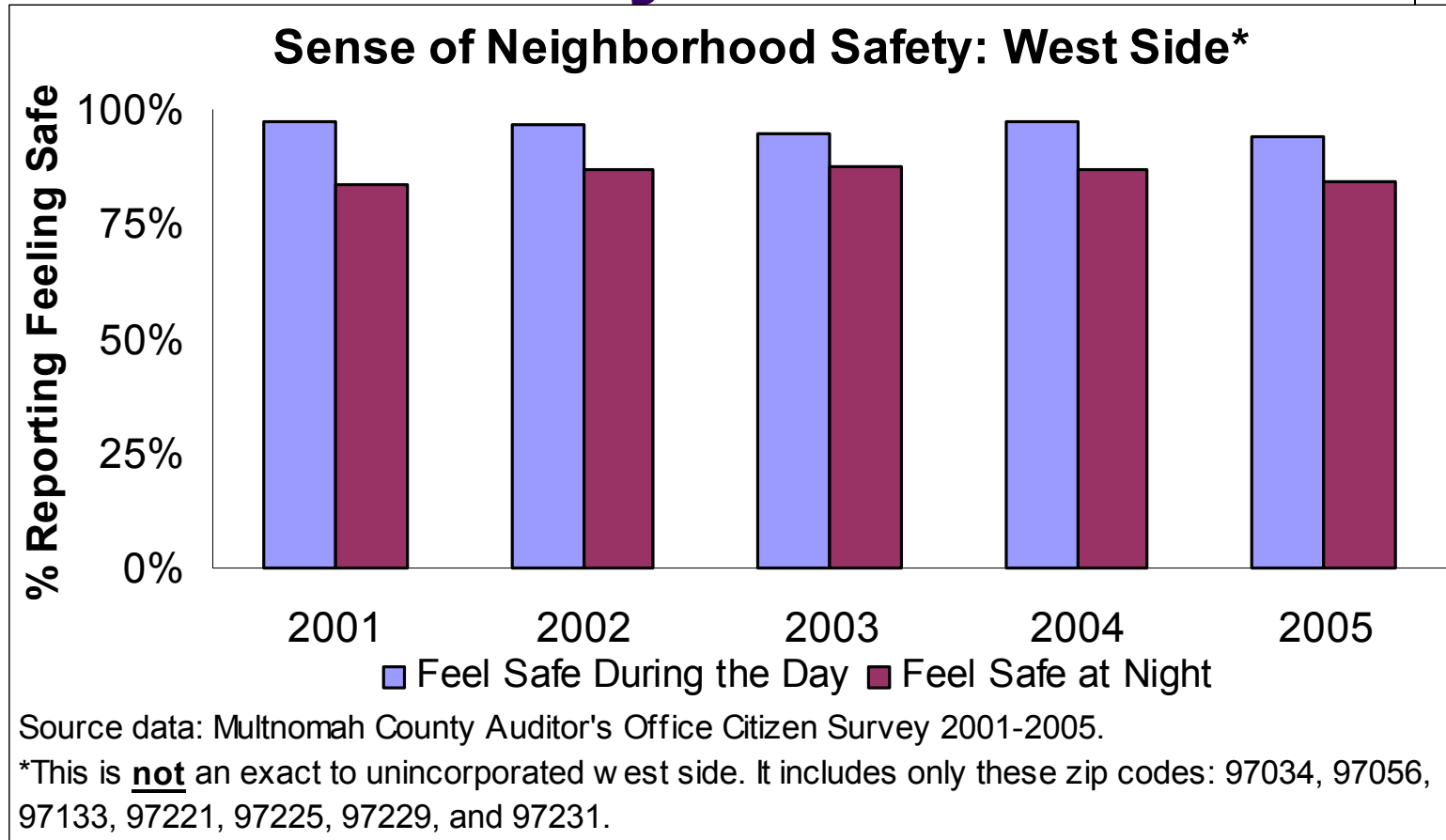
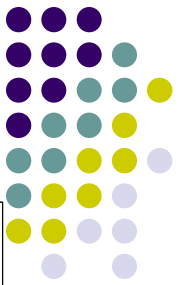


	Count	Percent of Total
Total Population	7,700	100%
Total Whites (only)	7,127	93%
Total Males	3,920	51%
Total Males (15-29)	488	6%

Source: Census 2000

**According to Census 2000 data, males in the greatest crime-curve ages (15-29) account for 6% of the west side unincorporated population.**

# Sense of Safety



**The west side unincorporated sense of declined about 3% in 2005. Their sense of safety is higher than countywide totals on average, especially at night.**

# Reported Offenses



Part I Crimes	Reported Offenses in Westside Unincorporated			
	2002	2003	2004	2005
Murder	1	0	0	1
Rape	0	1	0	0
Robbery	0	0	1	0
Aggravated Assault	2	5	4	1
<b>Total Person Crimes</b>	<b>3</b>	<b>6</b>	<b>5</b>	<b>2</b>
Burglary	34	41	28	45
Larceny	102	116	71	65
Auto Theft	10	17	12	8
Arson	0	1	0	1
<b>Total Property Crimes</b>	<b>146</b>	<b>175</b>	<b>111</b>	<b>119</b>
<b>Total Part I Crimes</b>	<b>149</b>	<b>181</b>	<b>116</b>	<b>121</b>
<b>All Offenses</b>	<b>543</b>	<b>534</b>	<b>409</b>	<b>428</b>

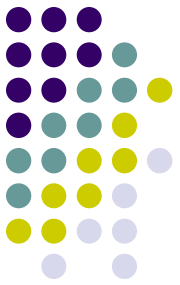
Source: PPDS Tactical Inquiry, unfounded cases were removed

Note: Each offense was queried individually and thus, cases may be counted more than once among offenses.

Thus, total of Part I offenses do not represent total number of cases. All offense totals do represent the total number of individual cases.

**The west side unincorporated districts average about 1.3 reported offenses per day. Total offenses have declined 21% since 2002. A Part I Crime is reported approximately every 3 days, (a rate of 15<sub>7</sub> per 1,000 persons in 2005).**

# Arrests



<b>Westside Unincorporated MCSO Arrests</b>				
	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
<b>District 10</b>	77	74	57	47
<b>District 20</b>	5	10	16	15
<b>Total Arrests</b>	<b>82</b>	<b>84</b>	<b>73</b>	<b>62</b>

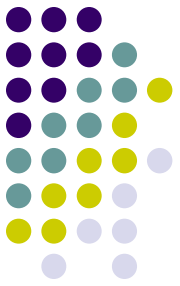
Source data: CAMIN2; arrests are a count of people per case; MCSO units only.

Prepared by: Planning and Support Division, Portland Police Bureau.

**The MCSO arrests in the west side unincorporated districts have declined 24% since 2002. They average about 1 arrest every 6 days in 2005.**



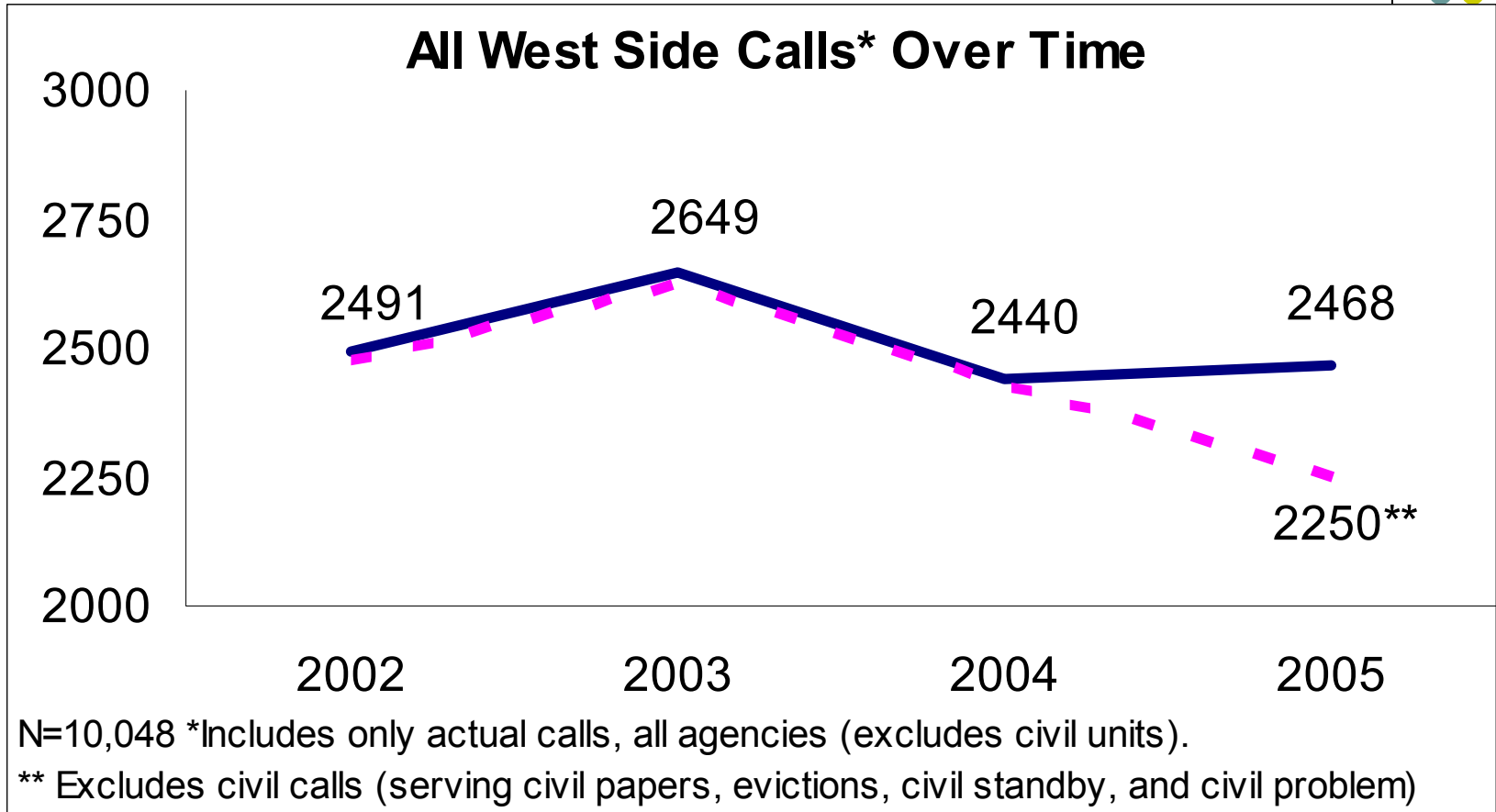
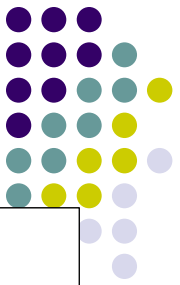
# West Side Patrol



## Calls for Service Analysis Assumptions

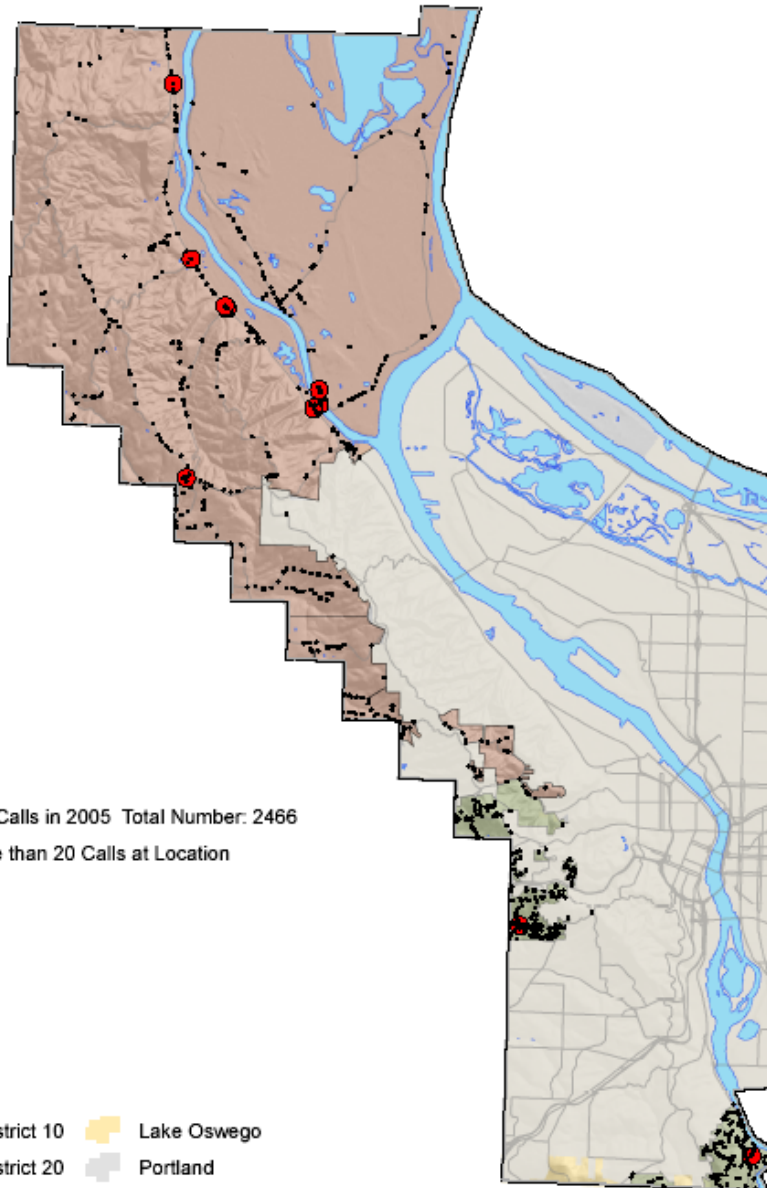
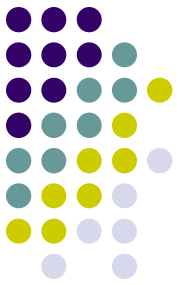
- Calendar year BOEC/CAD data supplied by MCSO from 2002-2005.
- Includes all agencies that responded in unincorporated west county (unless specified).
- Excludes Civil Unit calls (but includes civil calls that may have been taken by patrol, unless specified).
- Includes a small number of River Patrol calls (84).
- Excludes all test-calls and calls for 'check-in' .

# West Side Unincorporated Calls



**The west side unincorporated accounts for 5% of all MCSO calls. The area averages 2,512 calls annually (~7 per day). Unique to 2005, 9% of all calls (218) were for civil services. Excluding these, calls have declined ~10% since 2002.**

# West Side Calls in 2005

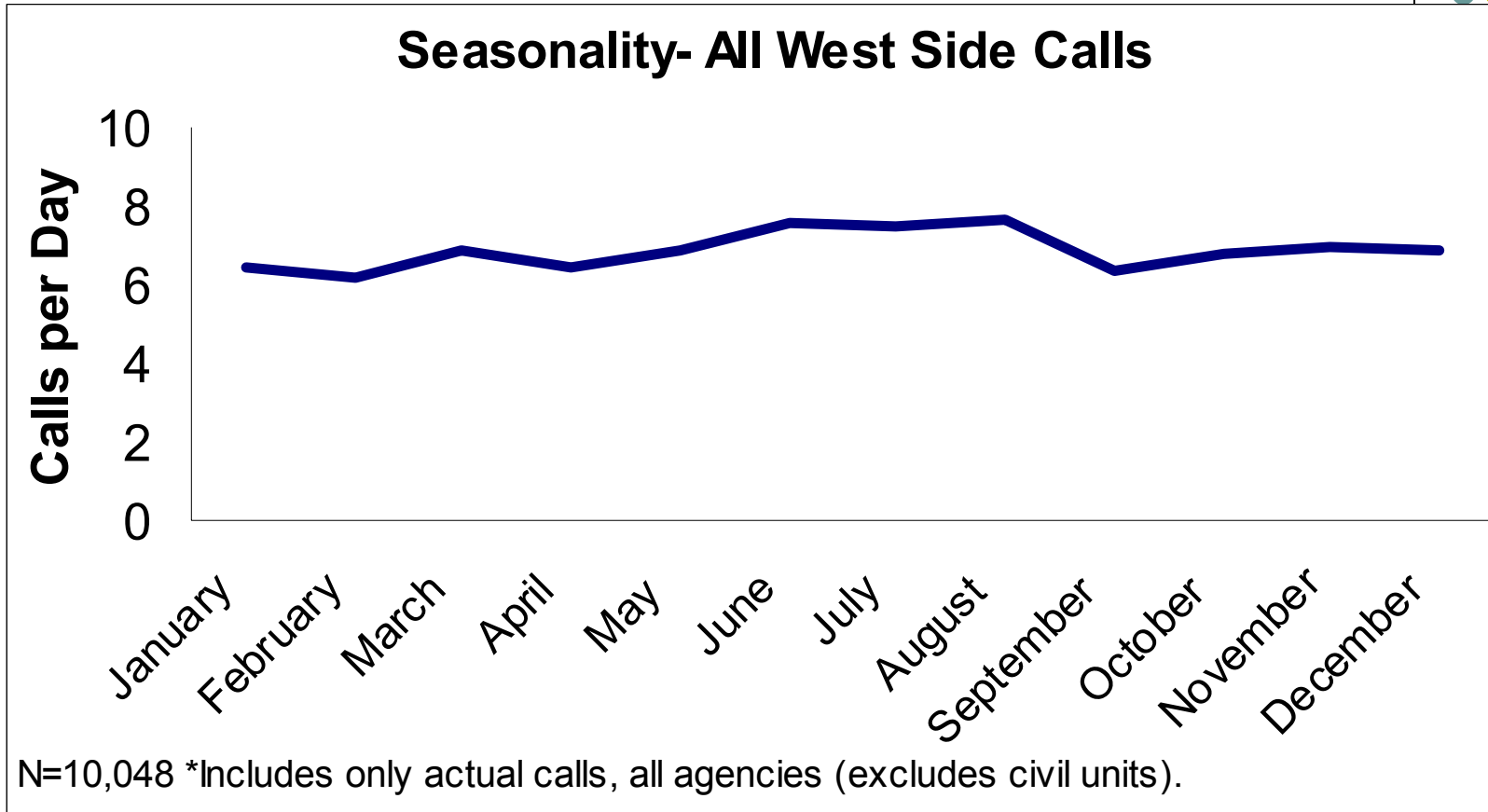
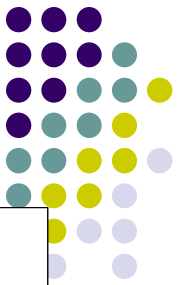


Repeat Calls for Service:  
10 locations exist with 20  
or more calls per location,  
accounting for 18% of all  
calls in 2005

## Common Incident Locations

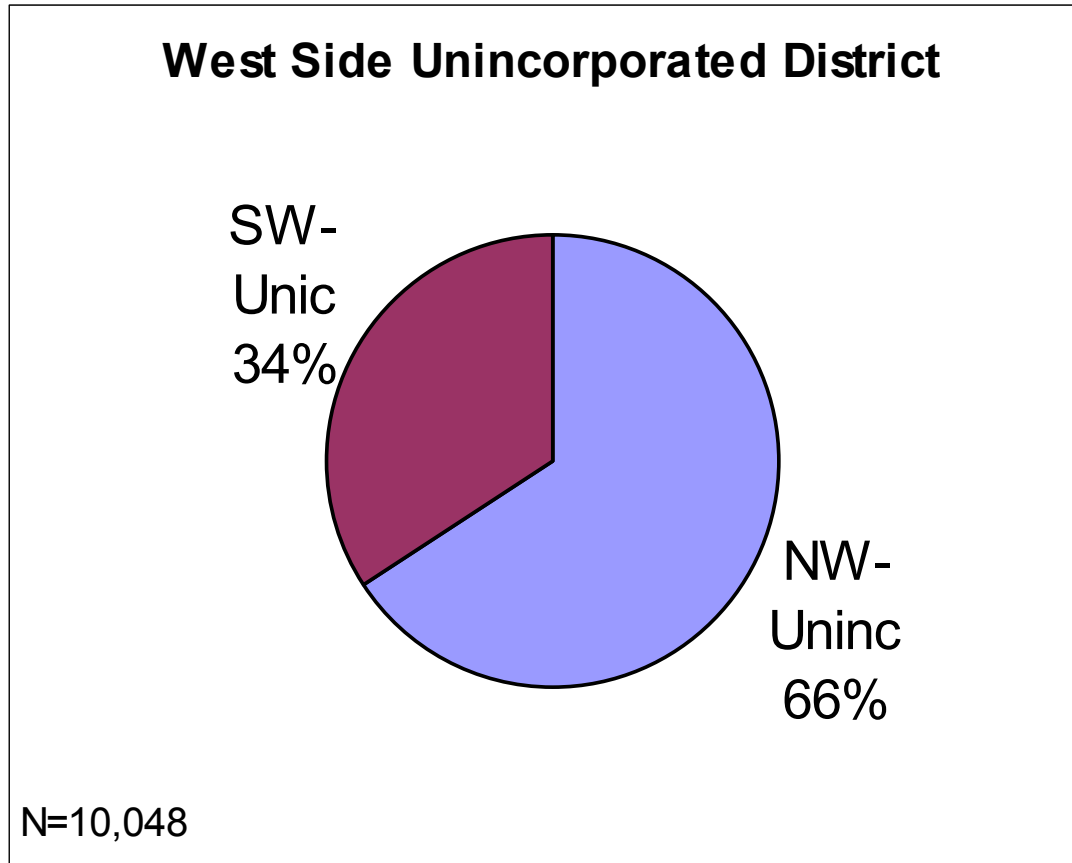
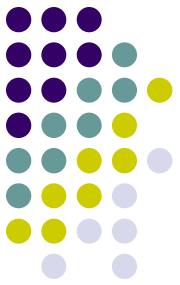
- 15005 NW SAUVIE ISLAND RD
- 17645 NW ST HELENS RD
- 50 NW SAUVIE ISLAND BRIDGE
- NW LOGIE TRAIL RD/NW ST HELENS RD
- NW ROCKY POINT RD/NW ST HELENS RD
- NW SAUVIE ISLAND BRIDGE/NW ST HELENS RD
- NW CORNELIUS PASS RD/NW SKYLINE BV
- SB HWY 30 AT NW CORNELIUS PASS RD
- SW MILITARY RD/SW RIVERSIDE DR
- SW PATTON RD/SW SCHOLLS FERRY RD

# Call Patterns



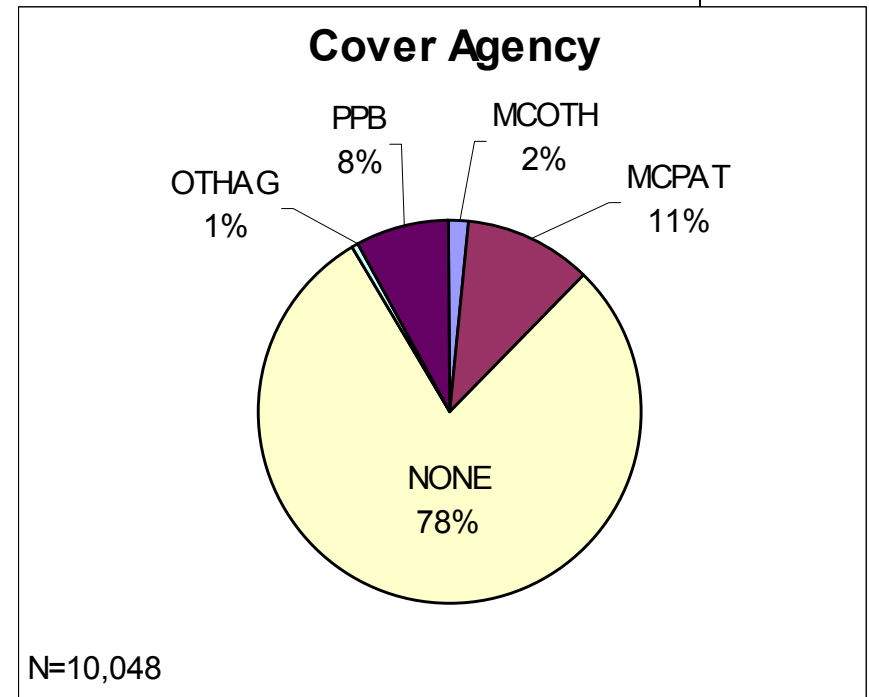
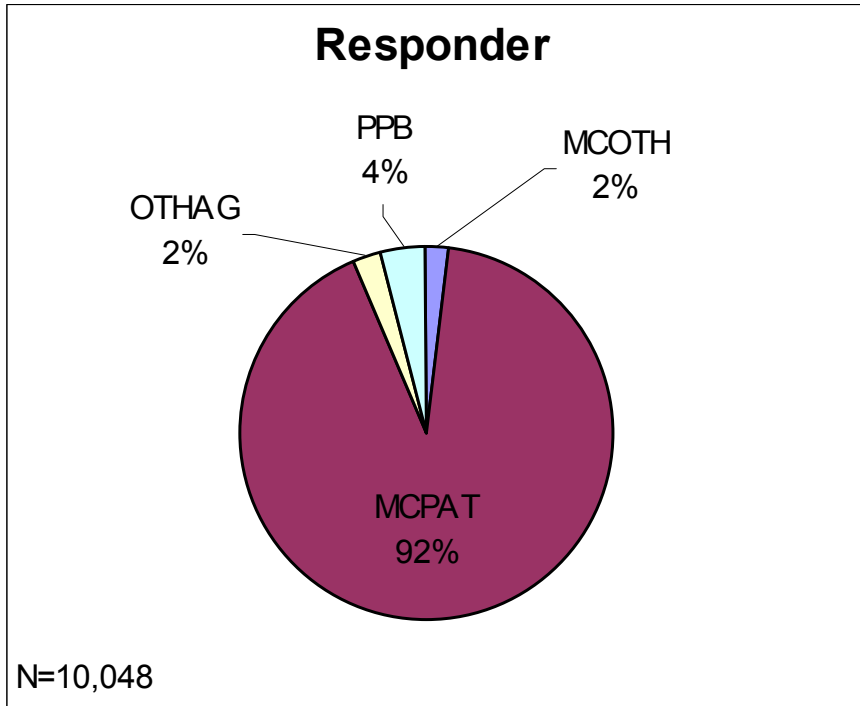
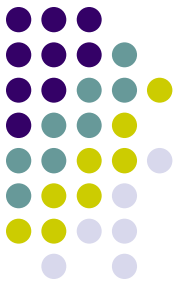
**Seasonal changes in calls per day range from 6.2 (Feb) to 7.7 (Aug). The increase in June to August may relate to summer vacation for schools. Twenty-four percent (24%) of all calls occurred during rush hour (4PM-7PM); 30% of all calls occurred Friday & Saturday.**

# West Side Unincorporated



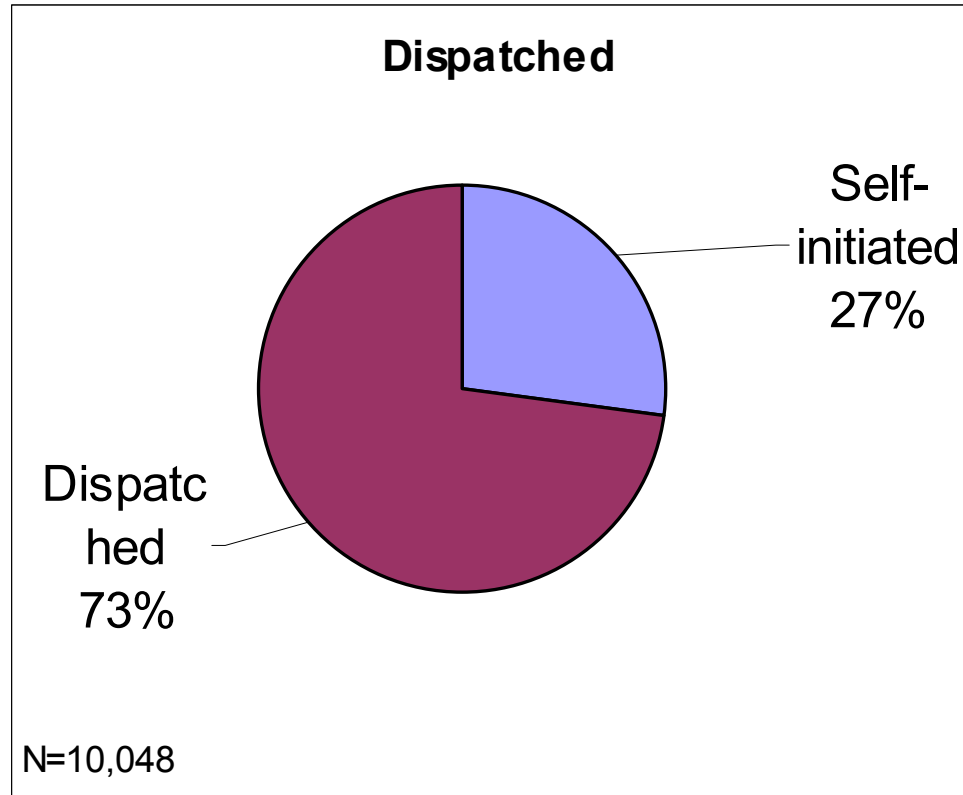
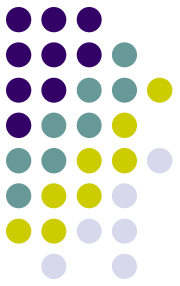
**A majority of calls occur in the NW region (e.g., Sauvie Island, HWY 30, etc.)**

# Responder and Cover



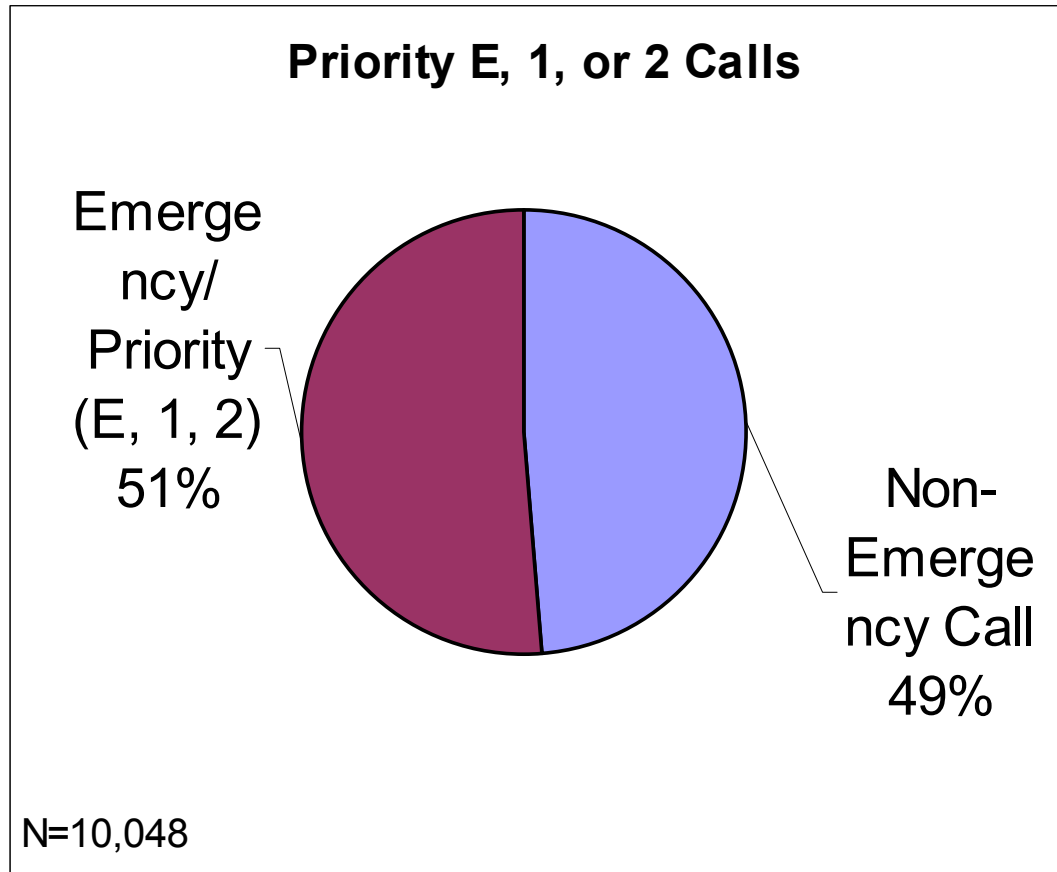
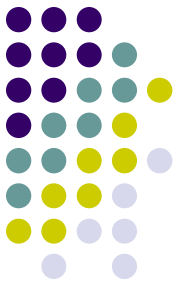
**The MCSO takes 94% of all West Side Unincorporated calls. Most calls do not require cover, but MCSO provides 13% while PPB provides 8%.**

# Dispatched and Self-Initiated Calls



**There were an average of 5 dispatched calls per day between 2002 and 2005.**

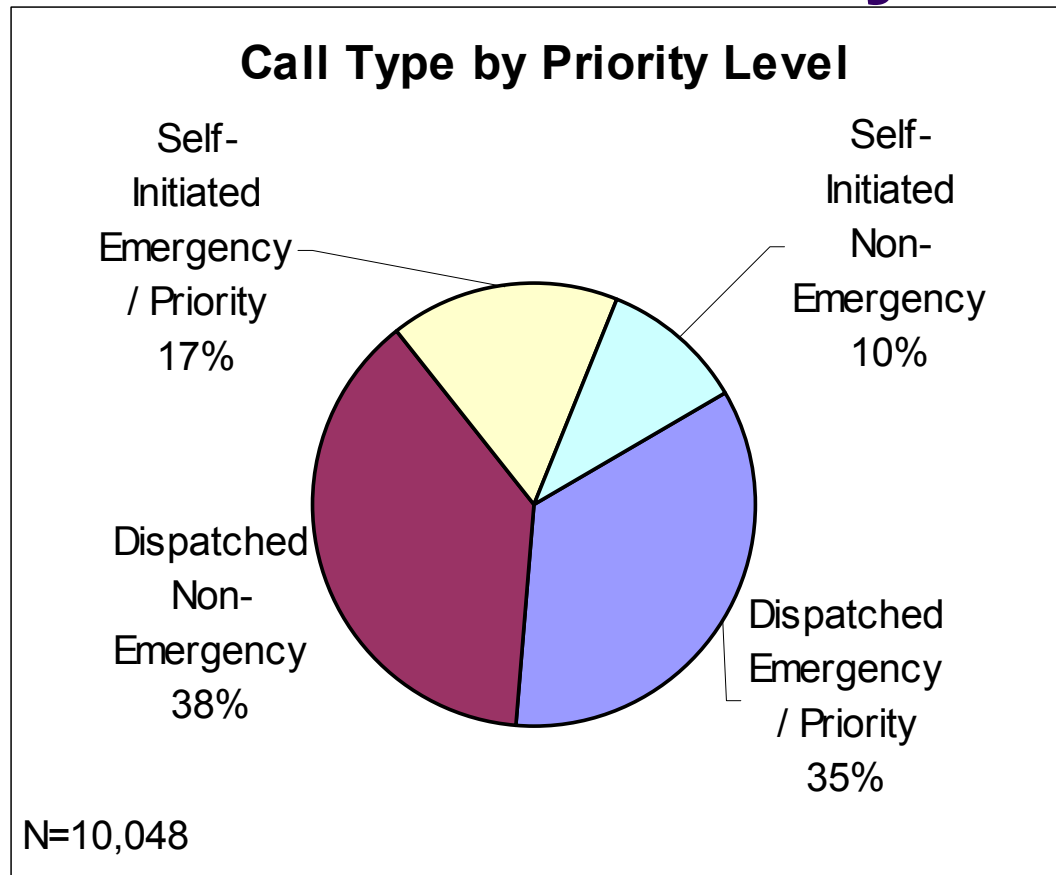
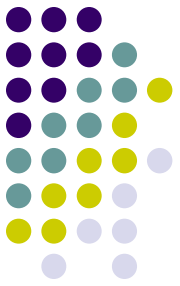
# Emergency/ Priority Calls



**About half of all calls are coded as emergency/priority level calls. These include priority E, 1, and 2 code calls.**

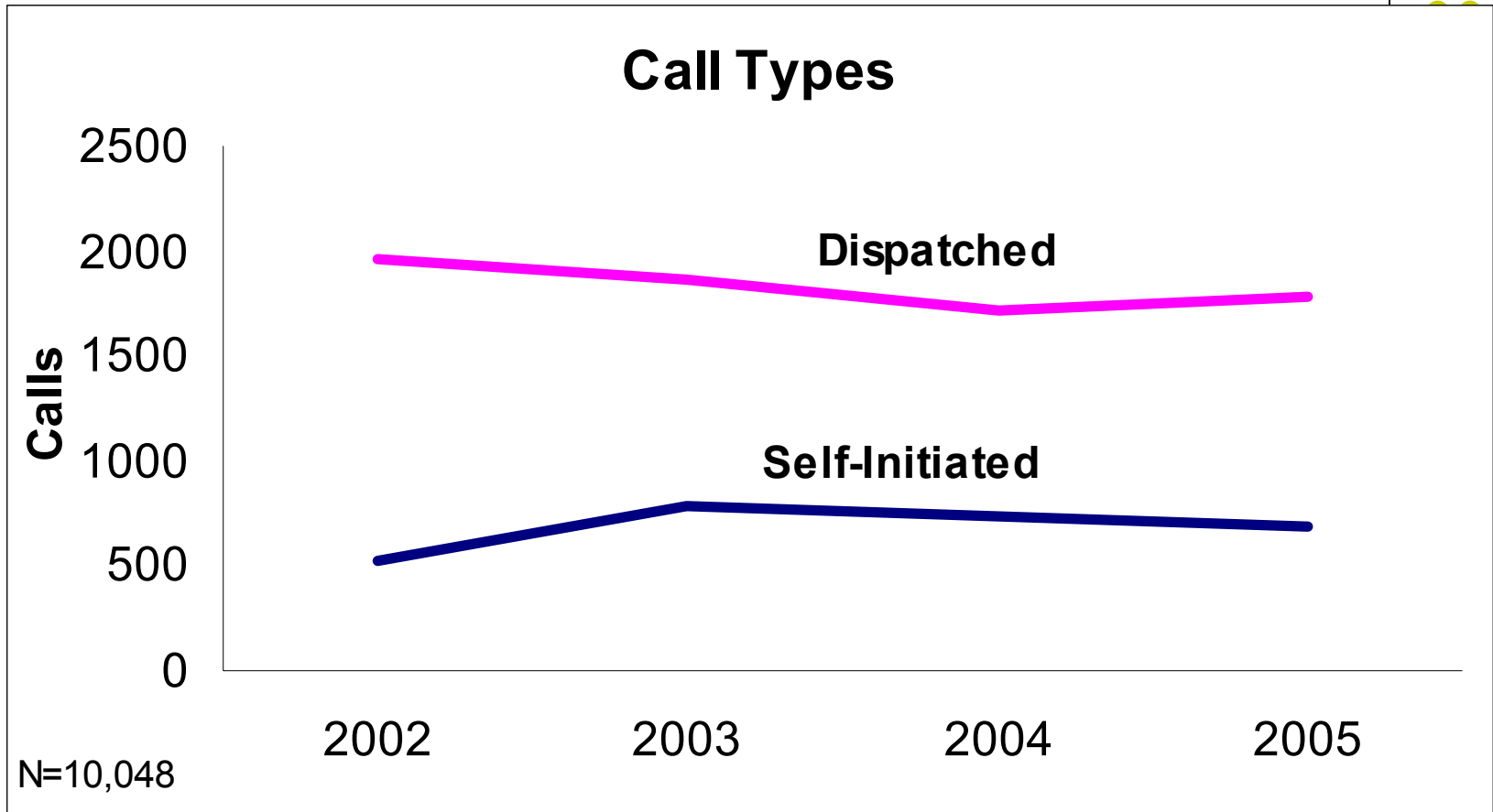
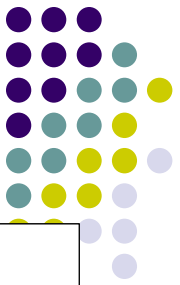


# Dispatched/Self-Initiated by Priority



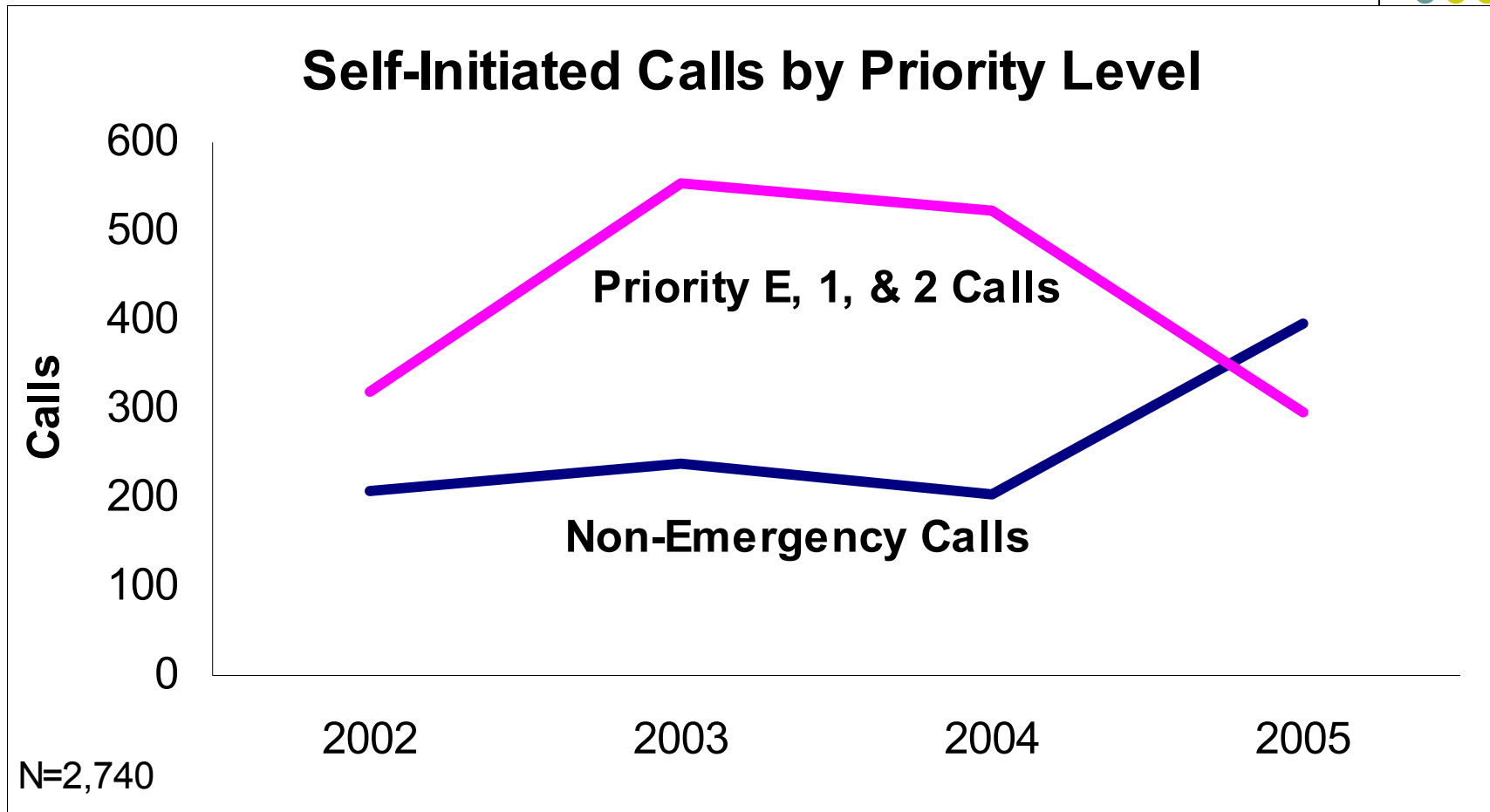
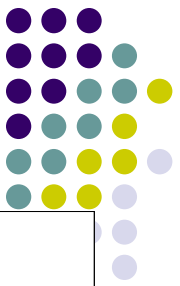
**About half of all calls are coded as emergency/priority response. There were an average of 2.4 dispatched emergency and 2.6 dispatched non-emergency calls per day. Self-initiated calls (all priority levels) accounted for 1.9 calls per day.**

# Call Type Trends



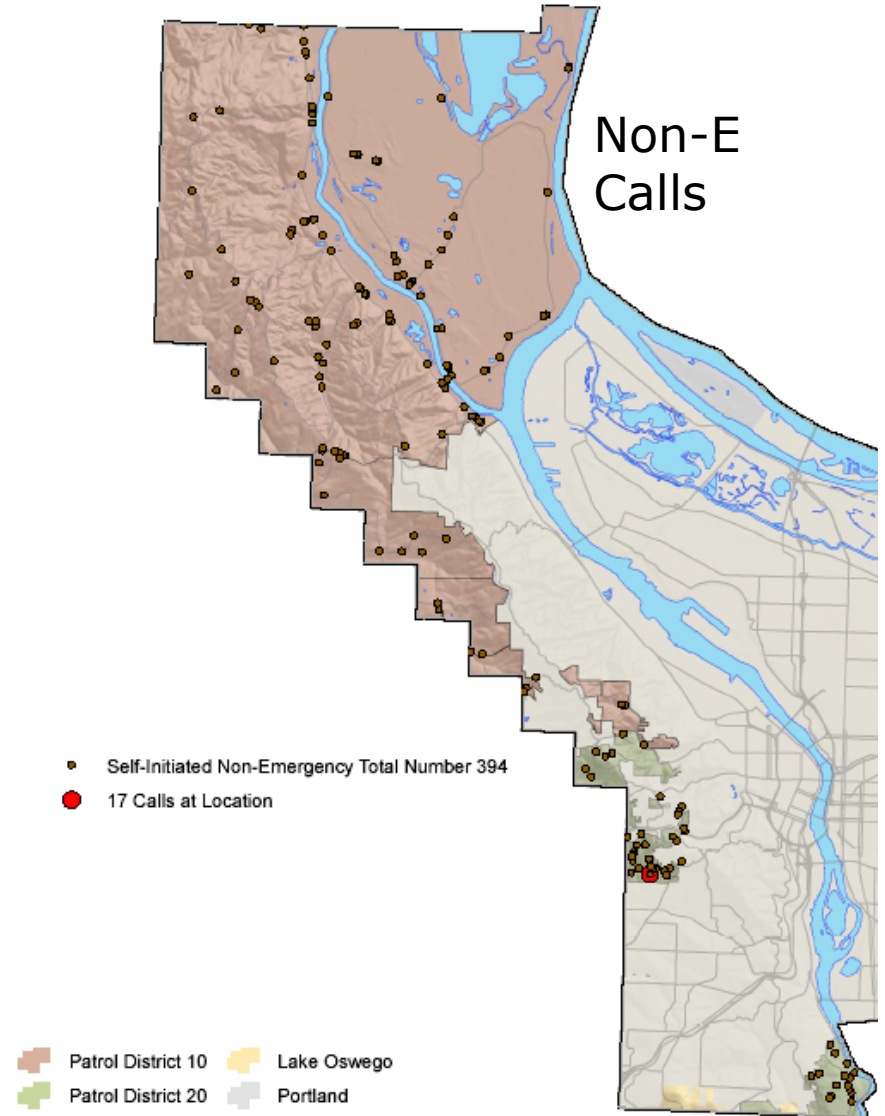
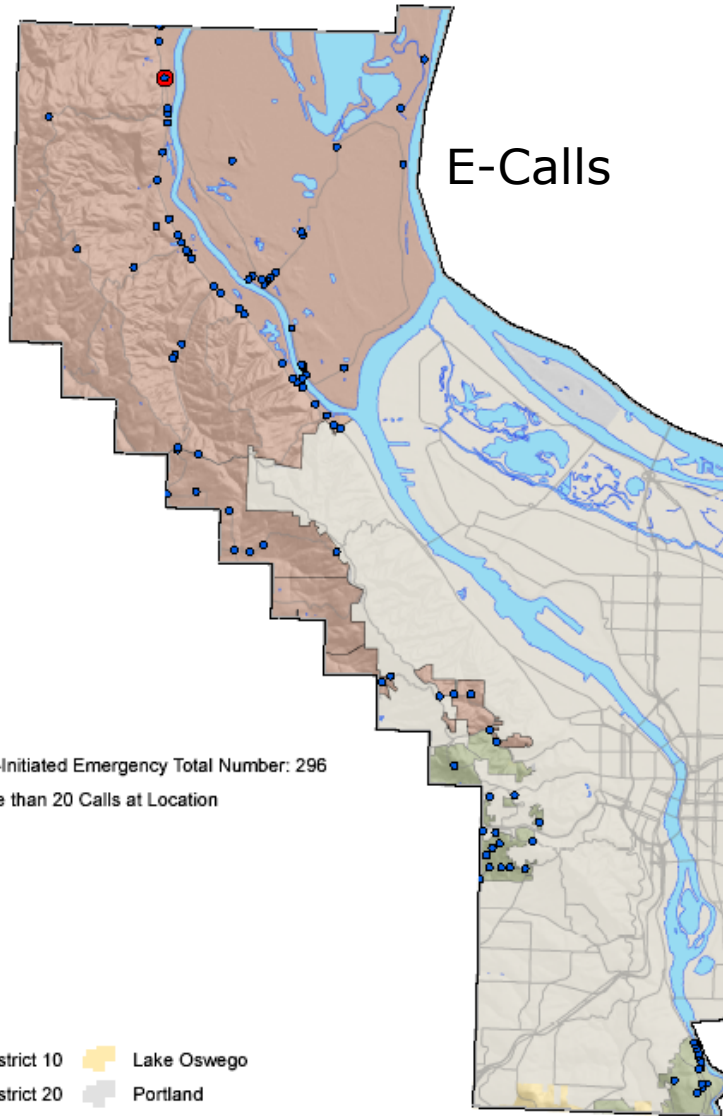
**There are two types of calls: Dispatched and Self-Initiated. There are an average of 1,827 calls dispatched and 685 self-initiated calls annually. (Note, these include some civil calls).**

# Self-Initiated Calls by Priority

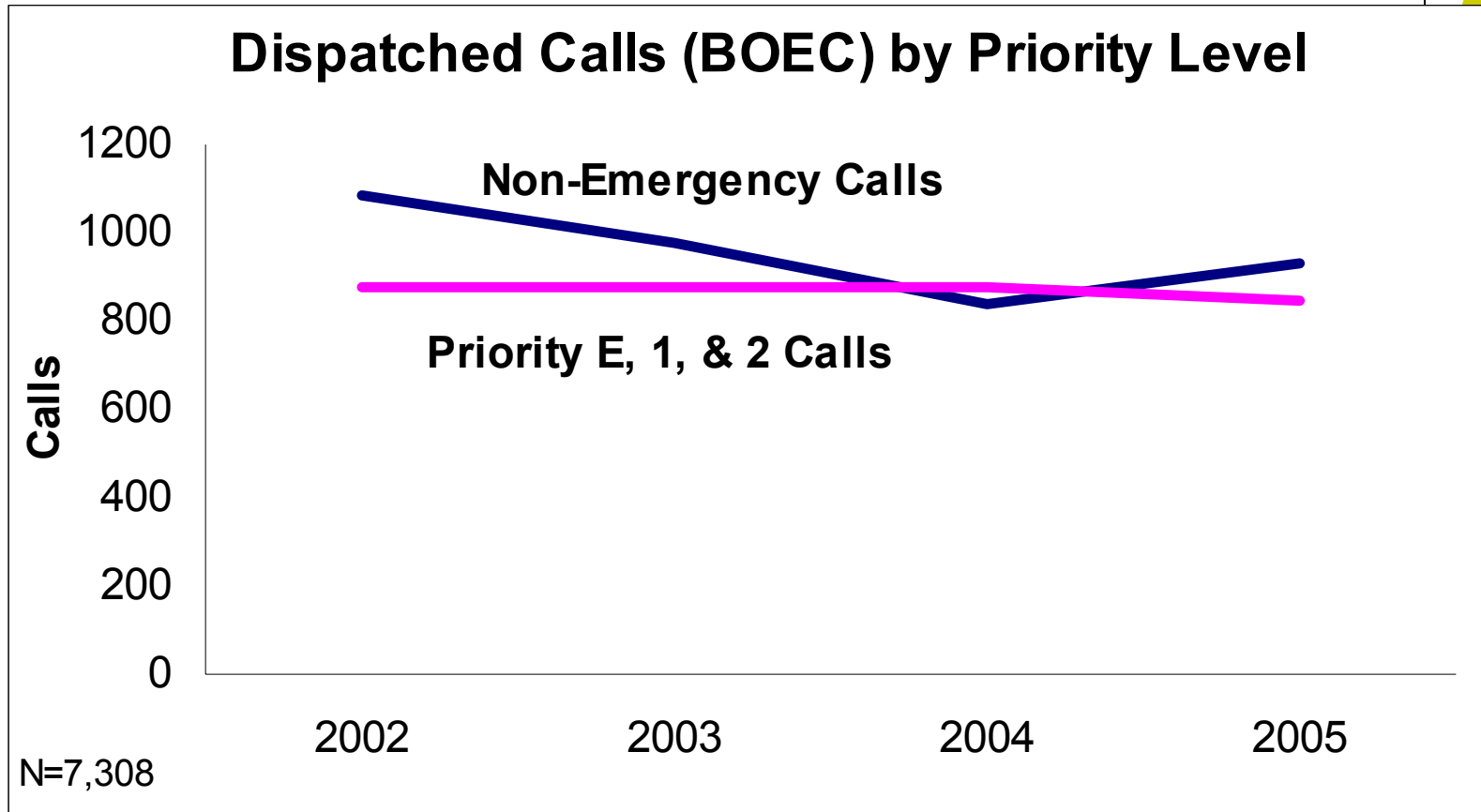


**About 38% of self-initiated calls are non-emergency calls. These doubled in 2005 due to increased civil service. Simultaneously, emergency/ priority calls dropped due to fewer traffic stops, which all are coded priority '1'.**

# Self-Initiated Calls in 2005

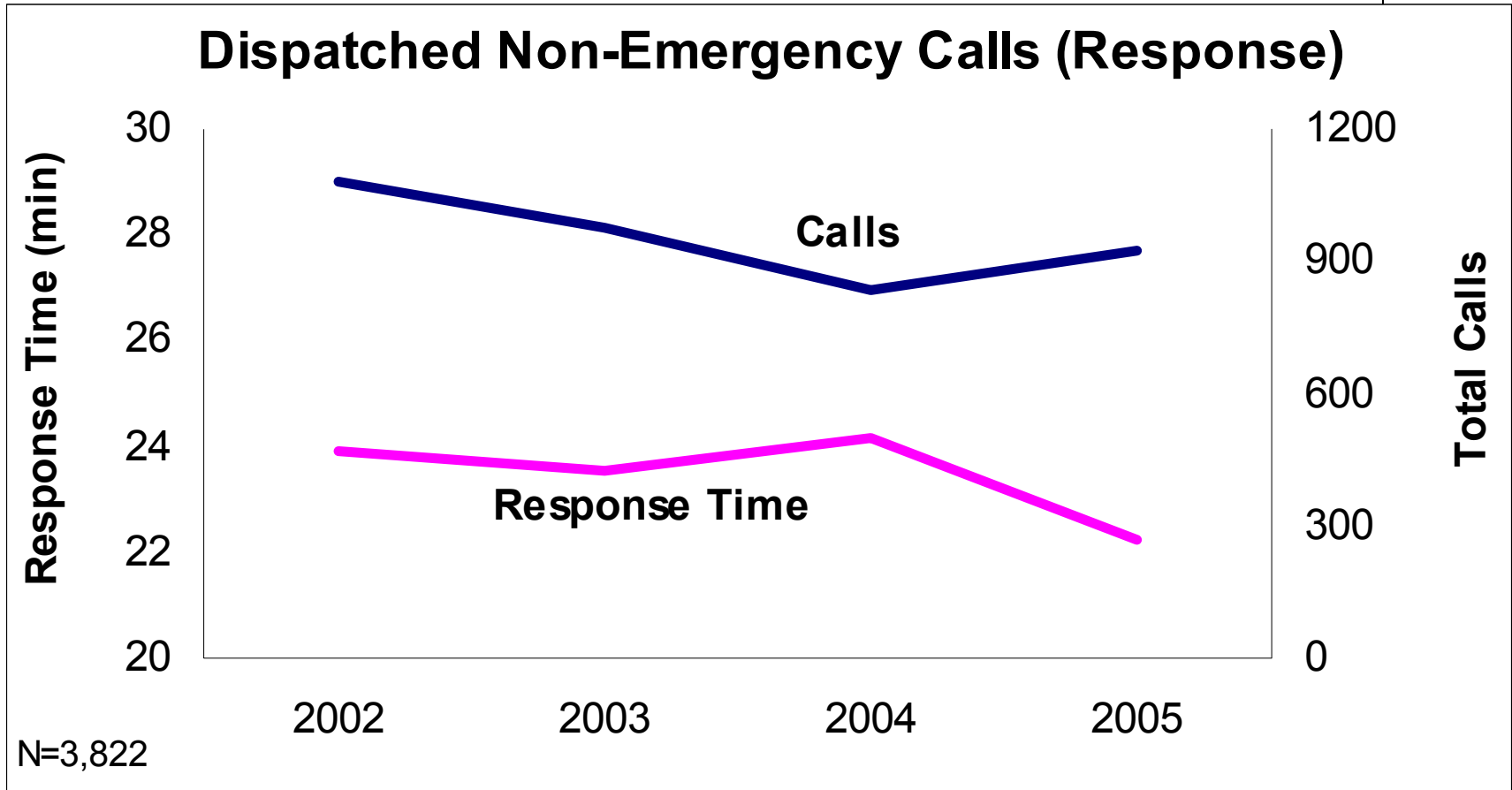
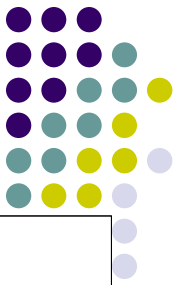


# Dispatched Calls by Priority



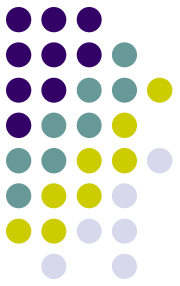
**Dispatched (BOEC) emergency/ priority calls remain flat at 870 calls per year (2.4/day). Dispatched non-emergency calls average 957 per year (2.6/day).**

# Calls and Response Time

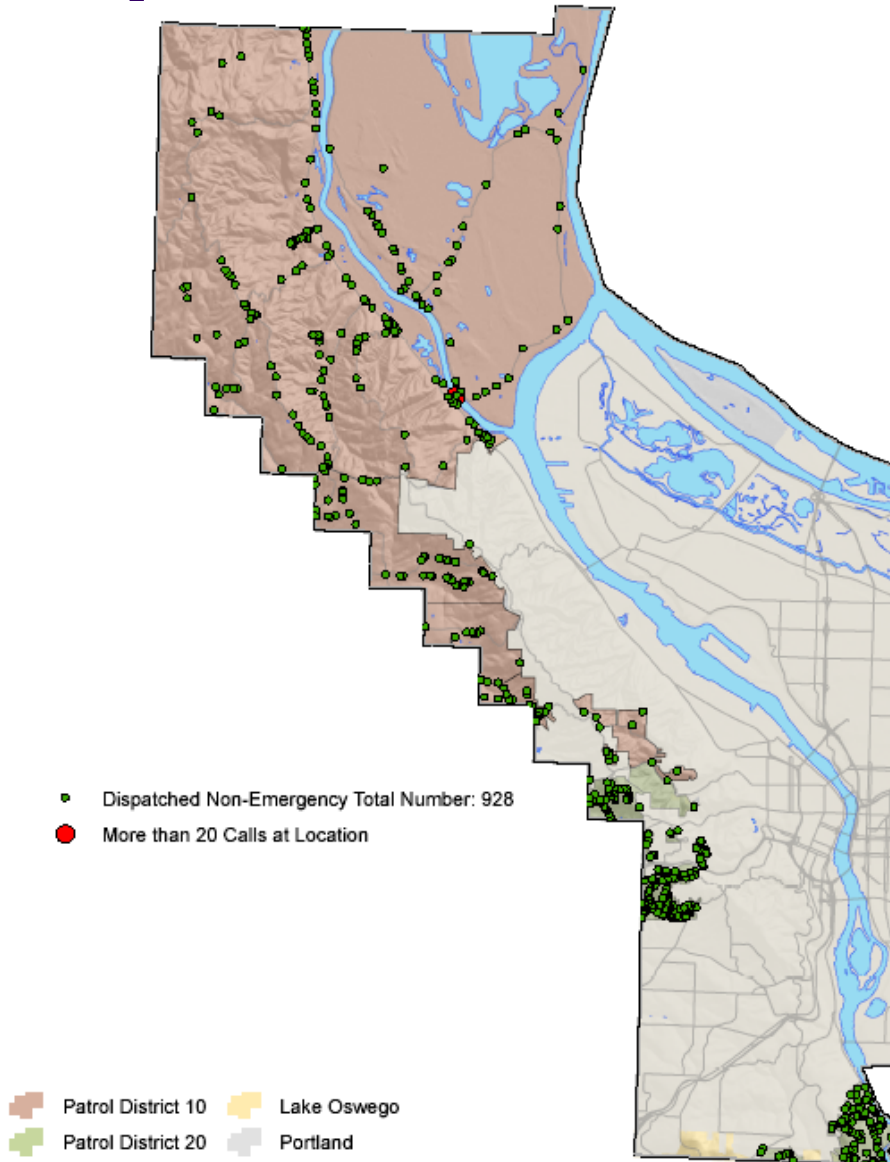


**Dispatched non-emergency calls average 957 per year (2.6/day). The average response time (travel time) ranged from 22.2 to 24.2 minutes, with an average of 23.5 minutes.**

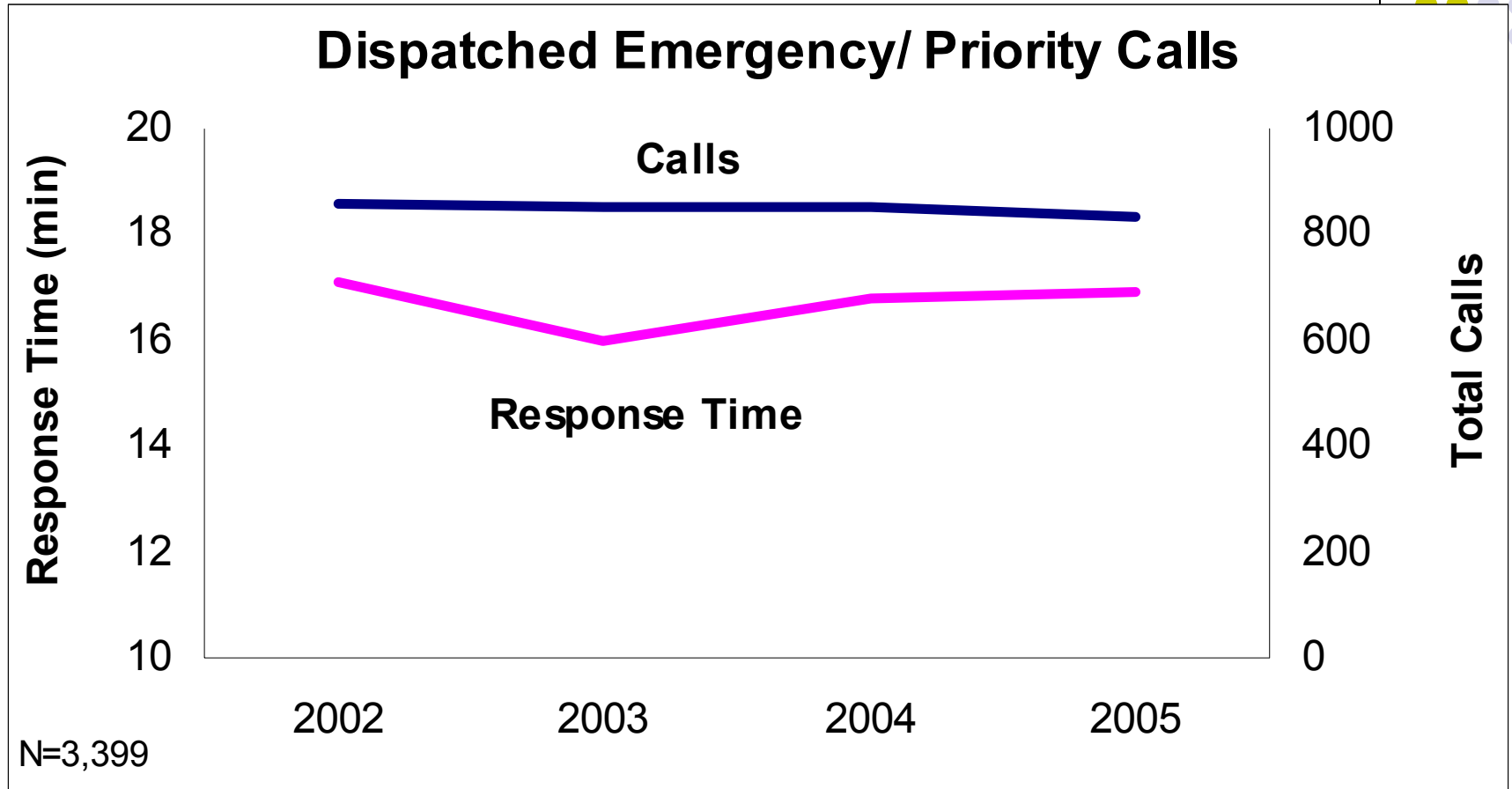
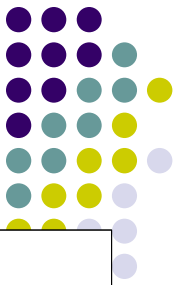
# Dispatched Non-E Calls in 2005



929 dispatched non-emergency calls in 2005; 2.5 per day



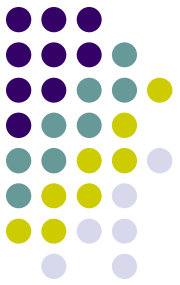
# Calls and Response Time



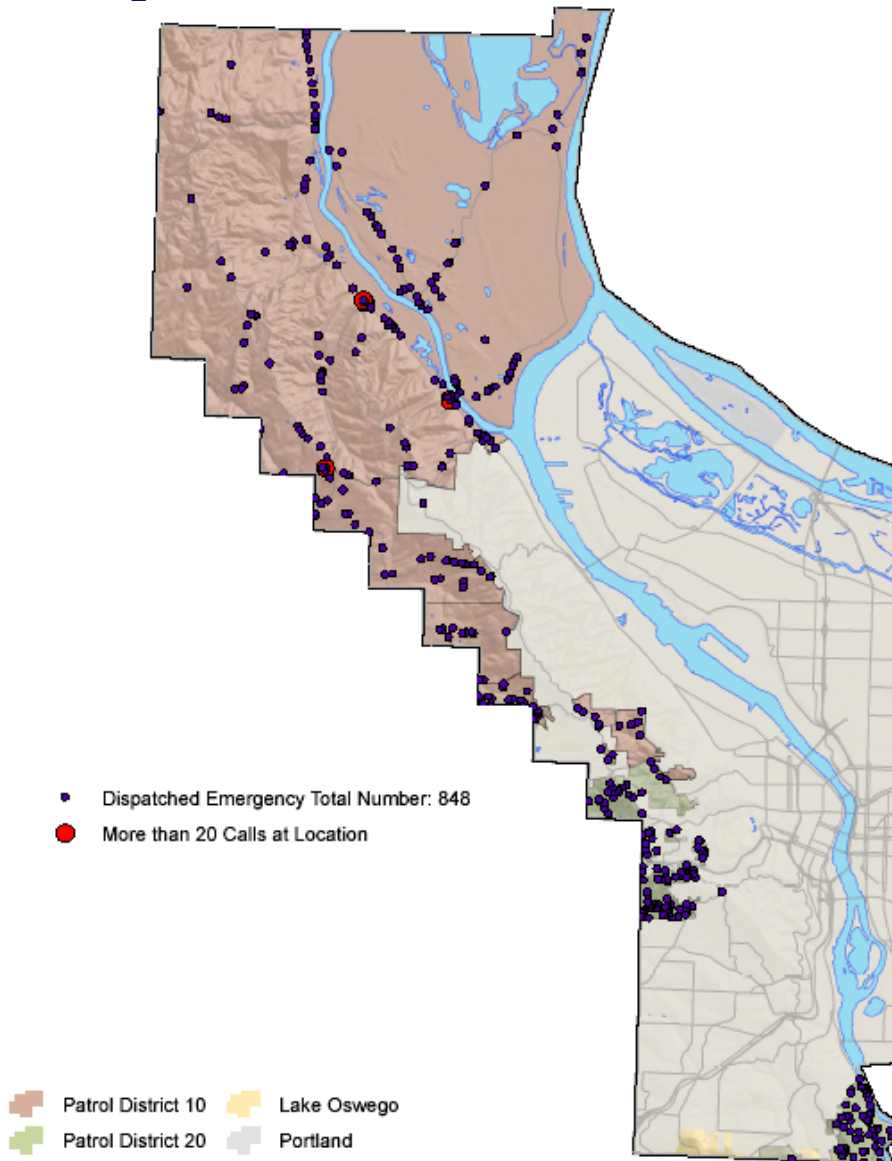
**Dispatched (BOEC) emergency/ priority calls (avg. 870 calls per year) average 2.4/day. The average response time (travel time) ranged from 16.0 to 17.1 minutes, with an average of 16.7 minutes.**



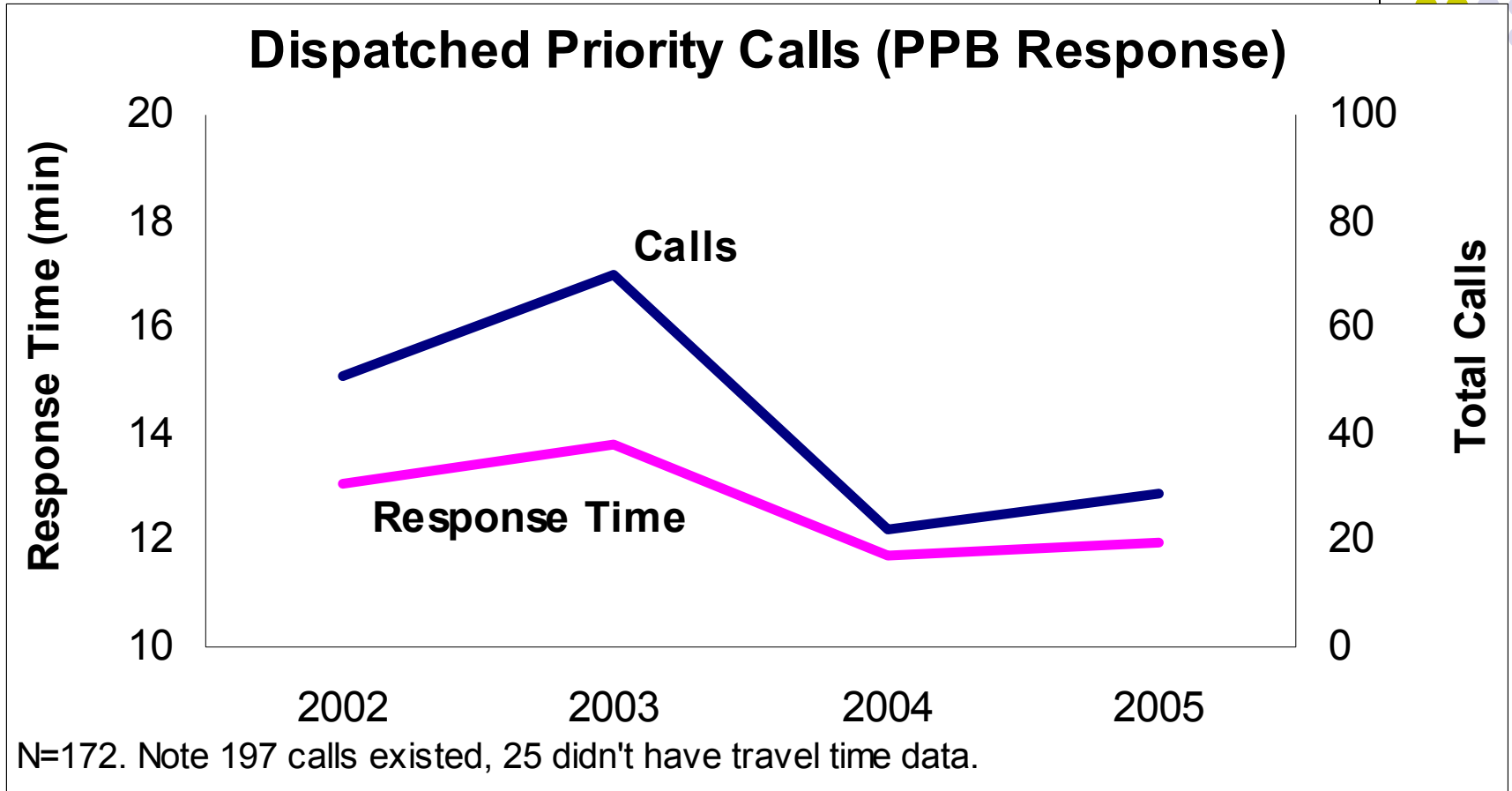
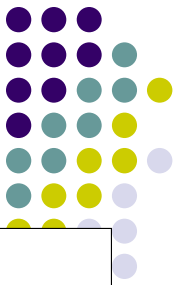
# Dispatched E-Calls in 2005



848 dispatched  
emergency calls in  
2005; 2.3/day

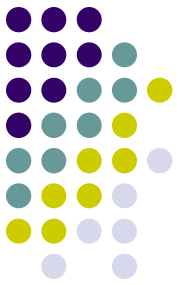


# Dispatched E-Calls (PPB)



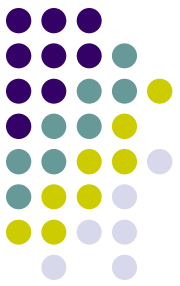
**PPB is emergency dispatched to West Side Unincorporated about 43 times per year. The average response time (travel time) ranged from 11.7 to 13.8 minutes, with an average of 12.6 minutes.**

# Traffic Related

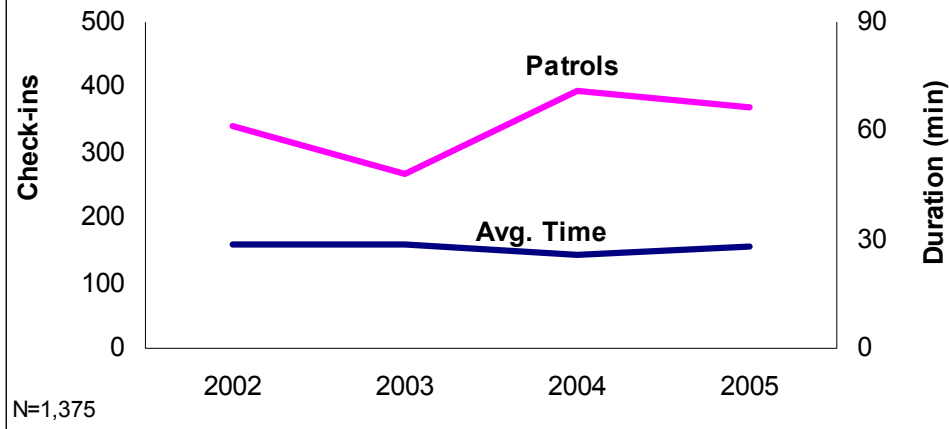


- Traffic stops accounted for 14% of all West Side Unincorporated calls (n=1,365).
- In 2005 they dropped to 8% (201).
- There were an average of 211 traffic accidents each year, with little variance.
- Traffic accidents accounted for about 8% of all calls.

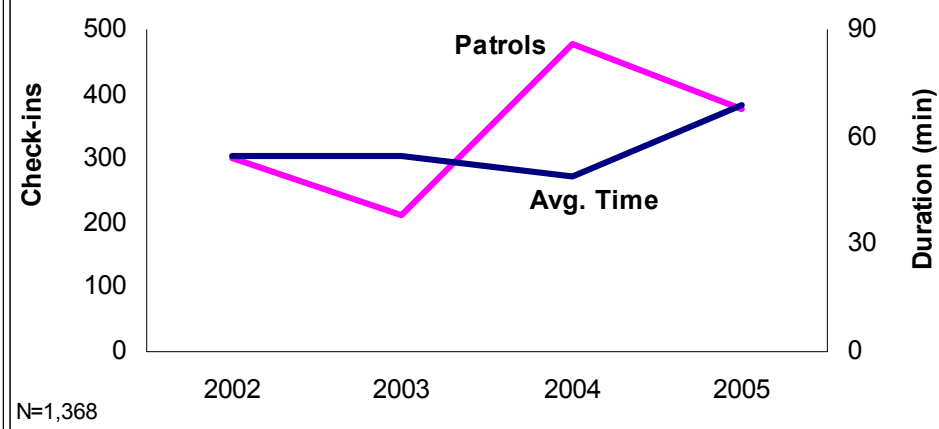
# 'Check-in' Patrols: Duration



Patrol Check-in: Dunthorpe

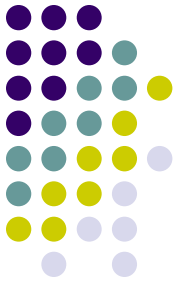


Patrol Check-in: Sauvie Island



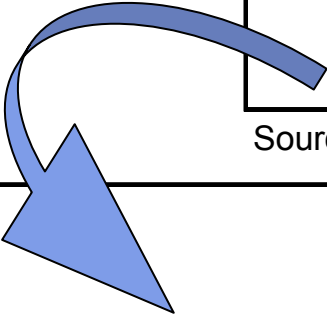
**Patrol 'check-ins' for Dunthorpe take about 28 minutes; Sauvie Island takes about 57 minutes. In 2005, the Sauvie Island time increased by 28% (15 minutes on average). Check-in counts are based on self-initiated data, but are unreliable totals.**

# Time on Calls



	Total Calls w/ Time	Average Time on a Call	Total Time On a Call
2002	2,470	39	96,896
2003	2,625	38	99,418
2004	2,417	37	90,274
2005	2,449	37	90,187

Source: BOEC Calls for Service Data.



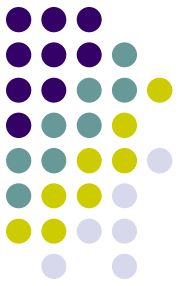
Call Type (2005)	Total Calls w/ Time	Percent of Call Types (%)	Average Time on a Call (Min)	Total Time on a Call (Min)	Percent of Total Call Time (%)
Dispatched Emergency	831	34%	49.3	40,989	45%
Dispatched Non-Emergency	927	38%	41.7	38,608	43%
Self-Initiated Emergency	296	12%	13.0	3,834	4%
Self-Initiated Non-Emergency	395	16%	17.1	6,756	7%
Total*	2,449	100%	37	90,187	100%

Source: BOEC Calls for Service Data.

\* There were a total 2468 calls; 19 calls did not have time data.

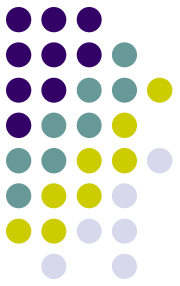
**Total time on a call has decreased 7% since 2002. In 2005, 88% of call time was for dispatched calls (includes civil service calls). About half of the 2005 self-initiated non-emergency calls/ time was for civil services.**

# Current Service Level (2005)



- Service to 66 sq miles with ~8,000 people
- 428 reported offenses (2 violent); 1.2 reported offenses per day.
- 62 arrests; 1 every 6 days.
- 2,468 service calls performed (includes 218 civil services); 6.8 per day.
- 848 dispatched e-calls w/ an average 16.9 minute response time; 2.3 per day.
- 929 dispatched non-e calls w/ an average 22.2 minute response time; 2.6 per day.
- 296 self-initiated e-calls; less than one per day.
- 395 self-initiated non-e calls; ~1 per day.
- A total of 90,187 minutes were logged in 2005.

# Contributors



- Matt Nice, Multnomah County Budget Office Evaluation
- Wendy Lin-Kelly, Multnomah County Sheriff's Office
- Andrea Westersund, Multnomah County GIS
- Steve Beedle, Portland Police Bureau
- Joanna Hixson, Multnomah County Auditor's Office
- Stas Vysotsky, Multnomah County Budget Office Evaluation
- Mark Campbell, Multnomah County Budget Office
- Darryl Holland, Multnomah County Assessment & Taxation