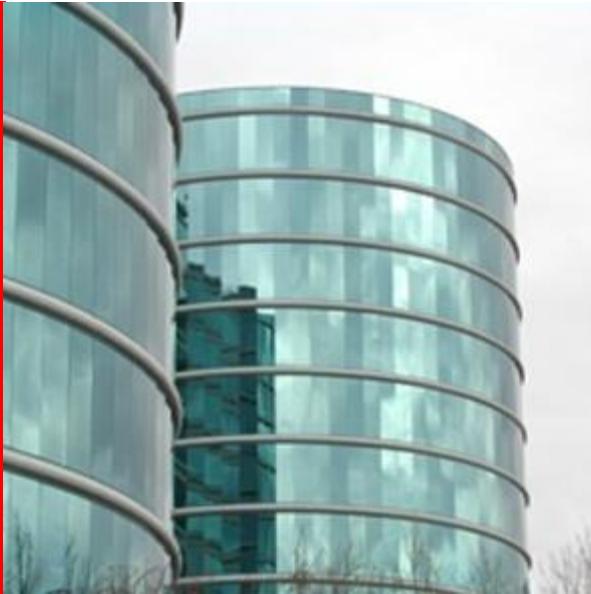


**ORACLE®**



**ORACLE®**

## Oracle Business Intelligence & Spatial Views

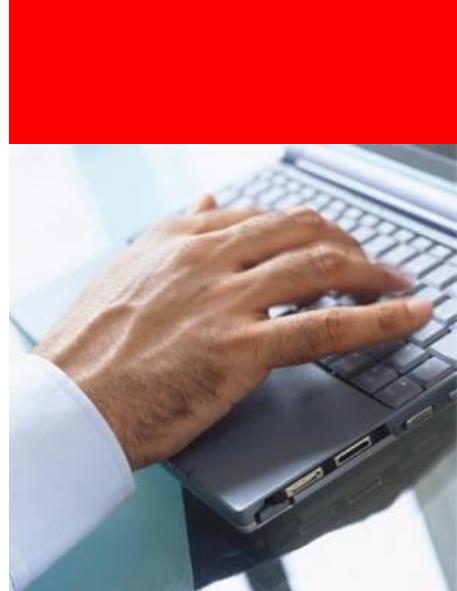
Abhinav Agarwal  
Principal Product Manager  
Mar 13 2008

Jayant Sharma  
Technical Director

THE FOLLOWING IS INTENDED TO OUTLINE OUR GENERAL PRODUCT DIRECTION. IT IS INTENDED FOR INFORMATION PURPOSES ONLY, AND MAY NOT BE INCORPORATED INTO ANY CONTRACT. IT IS NOT A COMMITMENT TO DELIVER ANY MATERIAL, CODE, OR FUNCTIONALITY, AND SHOULD NOT BE RELIED UPON IN MAKING PURCHASING DECISION. THE DEVELOPMENT, RELEASE, AND TIMING OF ANY FEATURES OR FUNCTIONALITY DESCRIBED FOR ORACLE'S PRODUCTS REMAINS AT THE SOLE DISCRETION OF ORACLE

# Program Agenda

- Introduction to Oracle BI
- Spatial Maps
- Demo
- Q & A



# Oracle's Enterprise Performance Management System

Web

Office

Desktop

Mobile

Embedded in Applications

Financial Performance Management Applications

Operational BI Applications

Business Intelligence Foundation

Fusion Middleware



OLTP & ODS Systems



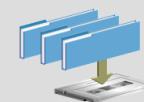
Data Warehouse Data Mart



Essbase



SAP, Oracle, Siebel, PeopleSoft, Custom



Excel XML



Business Process

# Oracle BI Suite Enterprise Edition

## Unified Business Intelligence Infrastructure

### Desktop Gadgets



### Ad-hoc Analysis



### Interactive Dashboards



### Search



### Reporting & Publishing



### Proactive Detection and Alerts



### Disconnected & Mobile Analytics



### MS Office & Outlook Integration



## Common Enterprise Information Model

Integrated Security, User Management, Personalization

Multidimensional Calculation and Integration Engine

Intelligent Request Generation and Optimized Data Access Services



OLTP & ODS Systems



Data Warehouse Data Mart



Essbase



SAP, Oracle, PeopleSoft, Siebel, Custom Apps



Files Excel XML

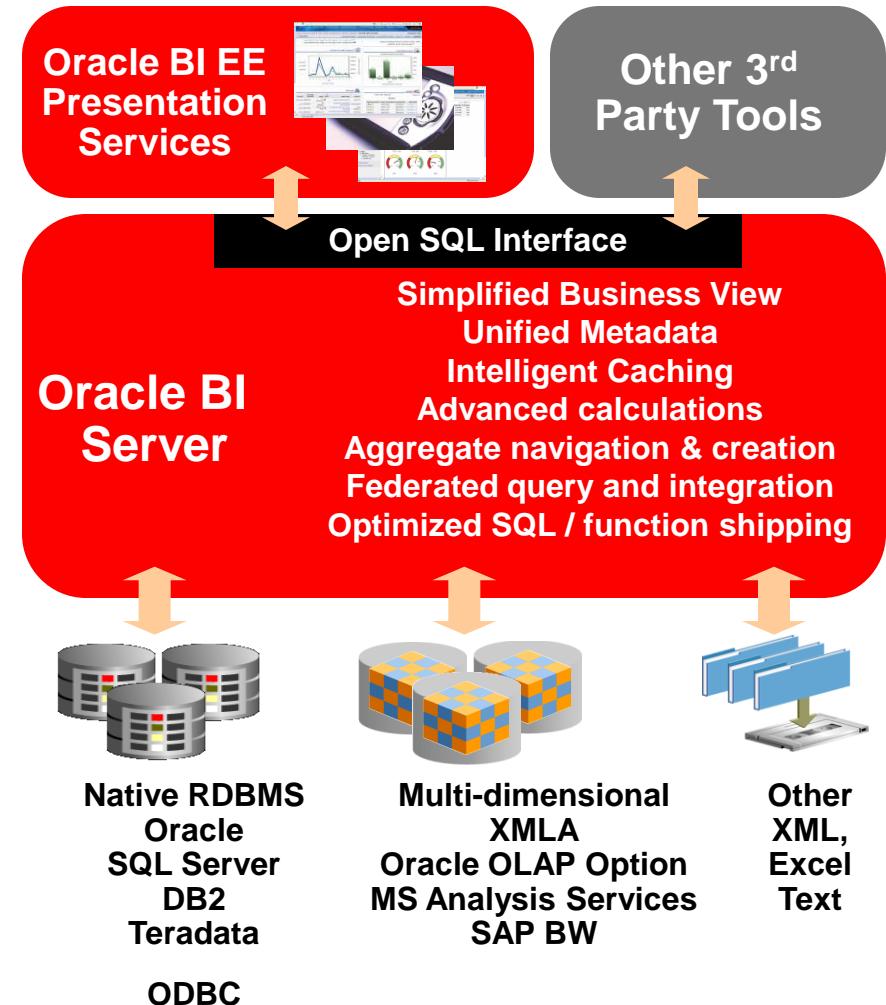


Business Process

# Oracle BI Server

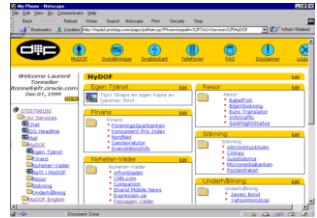
**Simplified, Powerful, Scalable Intelligence Across Sources**

- Simplified business model view
- Advanced calculation & integration engine
- Intelligent request generation and optimized, distributed data access
- Mission critical scalability and performance
- Foundation for all OBIEE presentation services



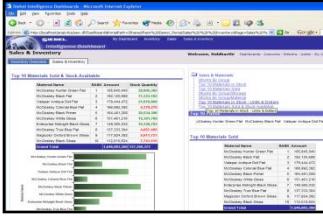
# Hot-Pluggable With Existing IT Investments

## Portals



Any JSR 168 Portal

## Data Mining



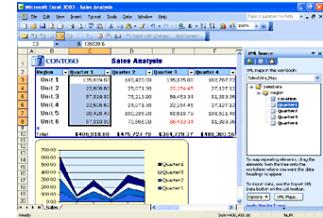
Oracle Data Mining,  
SPSS, SAS

## Applications



Oracle EBS, Siebel, SAP,  
PeopleSoft, JD Edwards ..

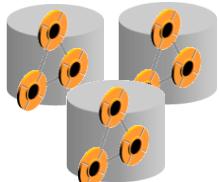
## Desktop Tools



Excel, Outlook,  
Lotus Notes ..

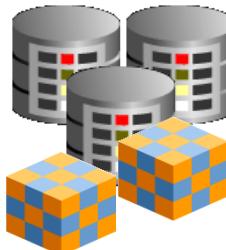
## Oracle Enterprise Performance Management System Oracle Business Intelligence Foundation

## Security



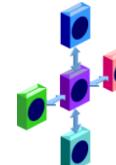
Oracle  
Kerberos  
iPlanet  
MSFT AD  
Novell  
Custom  
Others ..

## Data Access



Oracle RDBMS  
Oracle OLAP Option  
Microsoft SQL Server  
& Analysis Services  
IBM DB2  
Teradata  
Esbbase  
SAP BW  
XML, Excel, Text

## Data Integration



Oracle Data Integrator  
(Sunopsis)  
Oracle Warehouse  
Builder  
Informatica  
Ascential  
Others ..

# Most Complete Suite of Operational BI Applications



Sales	Service & Contact Center	Marketing	Order Management & Fulfillment	Supply Chain	Financials	Human Resources
Pipeline Analysis	Churn Propensity	Campaign Scorecard	Order Linearity	Supplier Performance	A/R & A/P Analysis	Employee Productivity
Triangulated Forecasting	Customer Satisfaction	Response Rates	Orders vs. Available Inventory	Spend Analysis	GL / Balance Sheet Analysis	Compensation Analysis
Sales Team Effectiveness	Resolution Rates	Product Propensity	Cycle Time Analysis	Procurement Cycle Times	Customer & Product Profitability	HR Compliance Reporting
Up-sell / Cross-sell	Service Rep Effectiveness	Loyalty and Attrition	Backlog Analysis	Inventory Availability	P&L Analysis	Workforce Profile
Cycle Time Analysis	Service Cost Analysis	Market Basket Analysis	Fulfillment Status	Employee Expenses	Expense Management	Turnover Trends
Lead Conversion	Service Trends	Campaign ROI	Customer Receivables	BOM Analysis	Cash Flow Analysis	Return on Human Capital

Prebuilt adapters:

**ORACLE**

PeopleSoft.

**SIEBEL**

**SAP**

Other Operational & Analytic Sources

Oracle BI Suite Enterprise Edition

# BI & SPATIAL INTEGRATION



# BI & Spatial Integration

- BI 11g & Spatial Integration
  - What's coming
- BI and Spatial Integration
  - What is possible today
- Spatial Data
  - NAVTEQ
  - Digital Globe

# BI & Spatial Integration

- BI 11g & Spatial Integration
  - What's coming
- BI and Spatial Integration
  - What is possible today
- Spatial Data
  - NAVTEQ
  - Digital Globe

# BI & Spatial Views

## Features At A Glance

- Maps as native BI views (like tables, charts, etc.)
- Info-windows displaying BI content with drilling
- Display multiple BI measures on maps
- Thematic, dot-density, bar, pie, or color shapes with intelligent binning and formatting options
- Schedule and distribute BI Map views via Delivers
- Print to HTML / PDF map views
- UI for mapping spatial themes to BI columns

# BI & Spatial Integration

- BI 11g & Spatial Integration
  - What's coming
- BI and Spatial Integration
  - What is possible today
- Spatial Data
  - NAVTEQ
  - Digital Globe

# BI & Spatial

## What Is Possible Today

- Over analytical on a map
  - Display color coded regions
  - Show point-based information
- Provide interactivity with other Dashboard elements
  - Dashboard prompts drive mapped content
  - Drilling and Navigation drive mapped content
  - Interactions with maps update other Dashboard content
- Show additional contextual information as mouseovers
- Drill to map detail

# BI SPATIAL VIEWS

## CURRENT INTEGRATION DEMO



Total Releases

Carcinogen

Water Releases

Air Releases

Page Options



Please select a year to filter the entire dashboard.

Reporting Year

2003

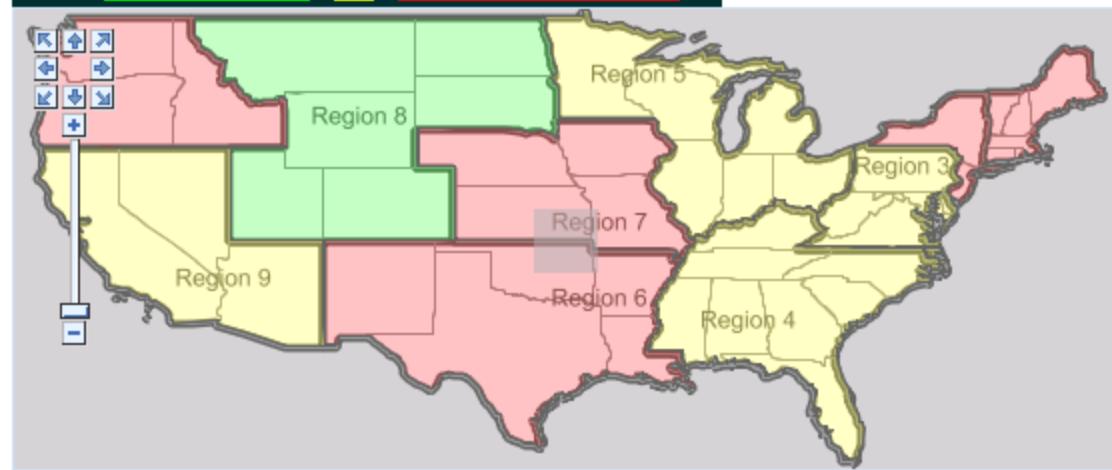
Go

### All Total Releases by Year and Region

TRI Fac Region	Change from Prior Year
8	-33.79%
4	-8.13%
5	-6.51%
9	-5.32%
3	-1.37%
2	0.18%
6	0.85%
10	2.60%
7	6.47%
1	22.58%

Map of EPA Regions  
For Reporting Year: 2003

-50 0 0 0 50

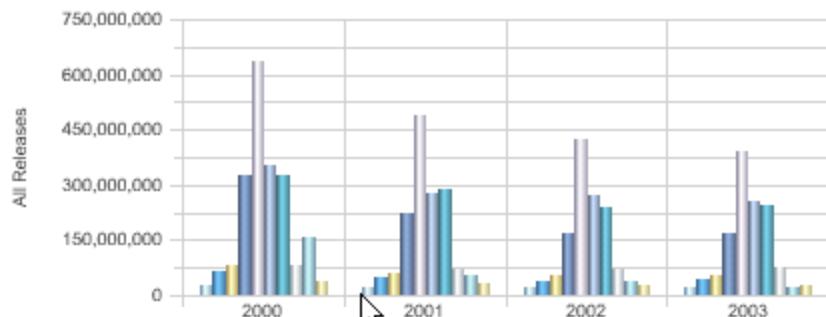


### All Total Releases by Year and Region Chart

Choose Chart Type

Year by Region

Year by Region



1 10  
2 3  
3 5  
4 6  
5 7  
6 8  
7 9

Total Releases

Carcinogen

Water Releases

Air Releases

Page Options



Please select a year to filter the entire dashboard.

Reporting Year

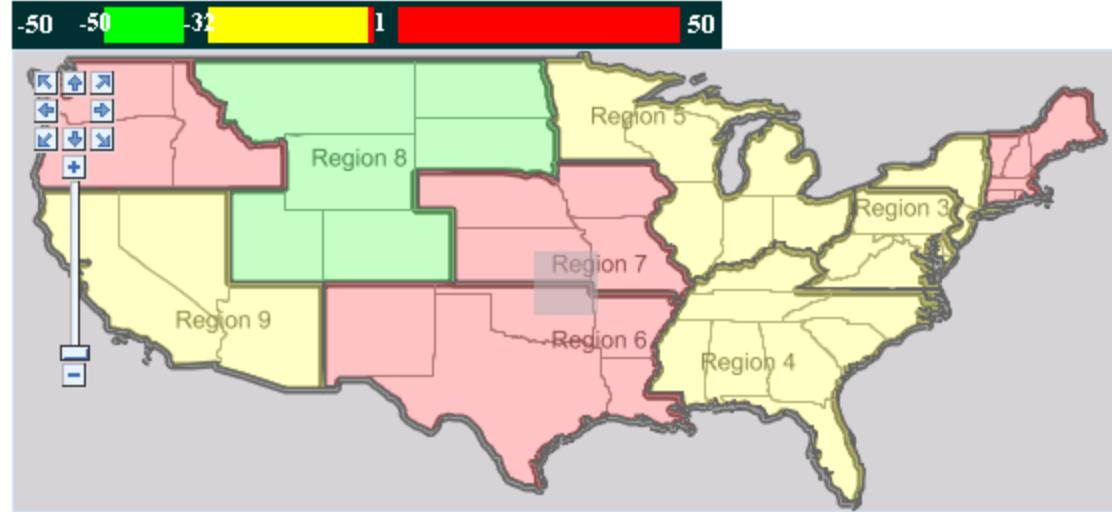
2003

Go

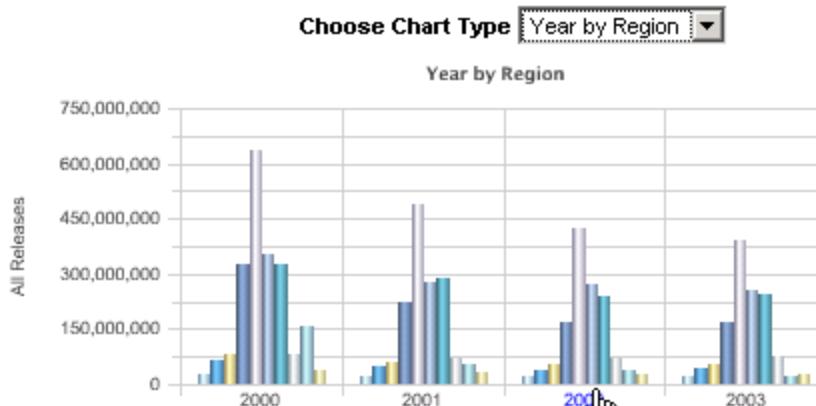
### All Total Releases by Year and Region

TRI Fac Region	Change from Prior Year
8	<span style="color: green;">●</span> -33.79%
4	<span style="color: orange;">●</span> -8.13%
5	<span style="color: orange;">●</span> -6.51%
9	<span style="color: orange;">●</span> -5.32%
3	<span style="color: orange;">●</span> -1.37%
2	<span style="color: red;">●</span> 0.18%
6	<span style="color: red;">●</span> 0.85%
10	<span style="color: red;">●</span> 2.60%
7	<span style="color: red;">●</span> 6.47%
1	<span style="color: red;">●</span> 22.58%

Map of EPA Regions  
For Reporting Year: 2003



### All Total Releases by Year and Region Chart



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

Carcinogen

Water Releases

Air Releases

Page Options



Please select a year to filter the entire dashboard.

Reporting Year

2003

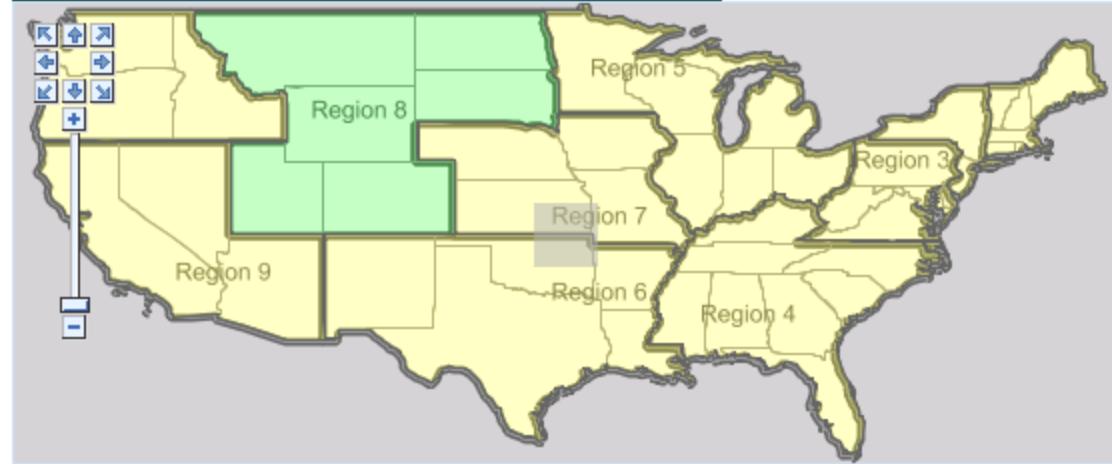
Go

### All Total Releases by Year and Region

TRI Fac Region	Change from Prior Year
8	-33.79%
4	-8.13%
5	-6.51%
9	-5.32%
3	-1.37%
2	0.18%
6	0.85%
10	2.60%
7	6.47%
1	22.58%

Map of EPA Regions  
For Reporting Year: 2003

-50 -50 -32 38 50

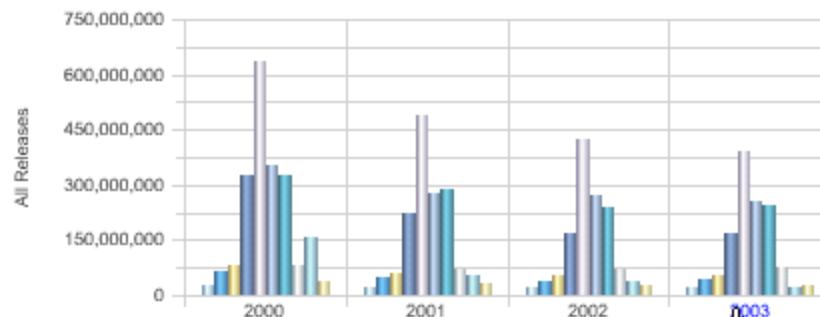


### All Total Releases by Year and Region Chart

Choose Chart Type

Year by Region

Year by Region



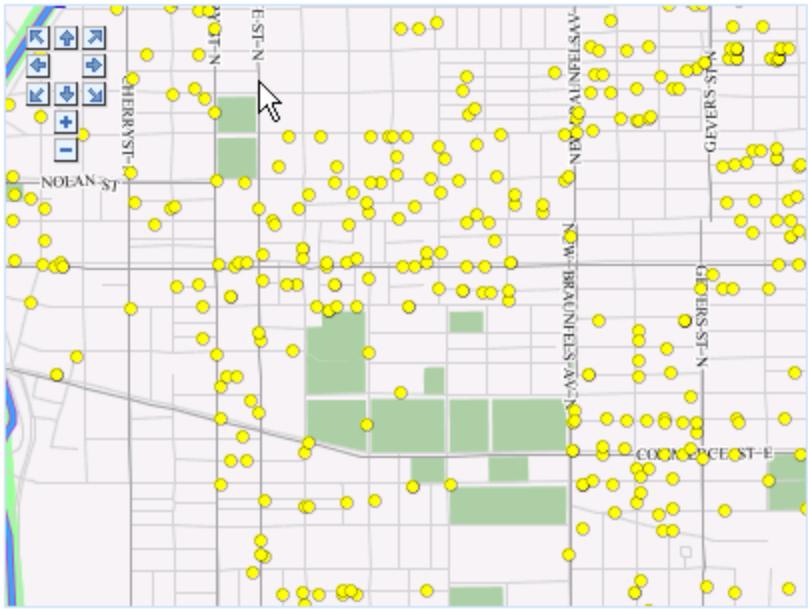
1	10
2	3
4	5
6	7
8	9

## Public Safety Dashboard

Welcome, Administrator! Dashboards - Answers - More Products ▾ - Settings ▾ - Help

Filtered Map Pin Map Lasso Map Crime Analysis Dashboard Location Analysis Person Search Test Nav

Page Options

Incidents within user defined box Incidents within  ft of selected park  

## Public Safety Dashboard

Welcome, Administrator! [Dashboards](#) – [Answers](#) – [More Products](#) ▾ – [Settings](#) ▾ – [Help](#)

Filtered Map | Pin Map | Lasso Map | Crime Analysis Dashboard | Location Analysis | Person Search | Test Nav | Page Opt.

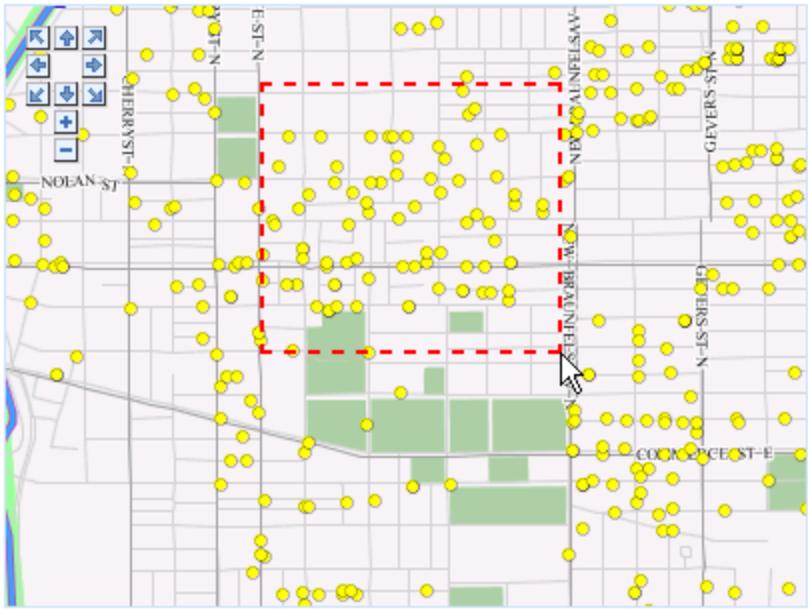
Incidents within user defined box

Go

Incidents within  ft of selected park

Go

Clear



## Public Safety Dashboard

Welcome, Administrator! Dashboards - Answers - More Products - Settings

Filtered Map

Pin Map

Lasso Map

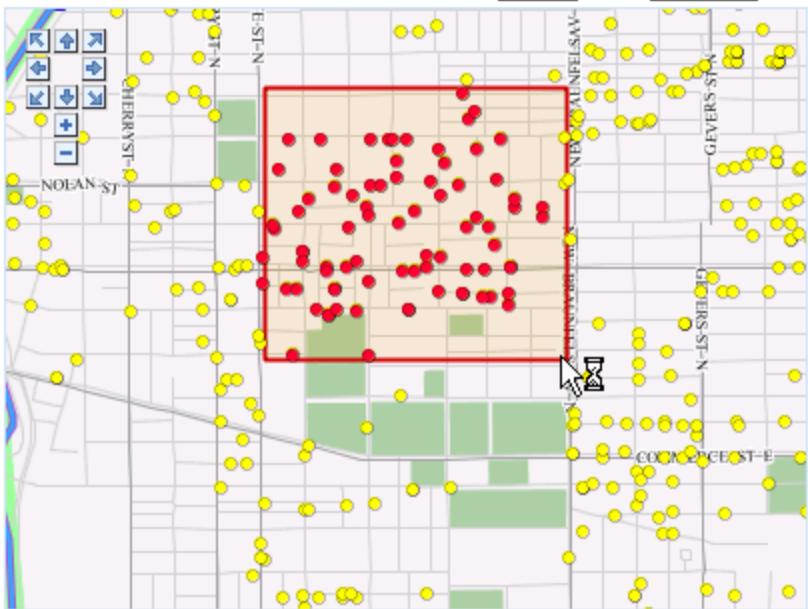
Crime Analysis Dashboard

Location Analysis

Person Search

Test Nav

Page Options

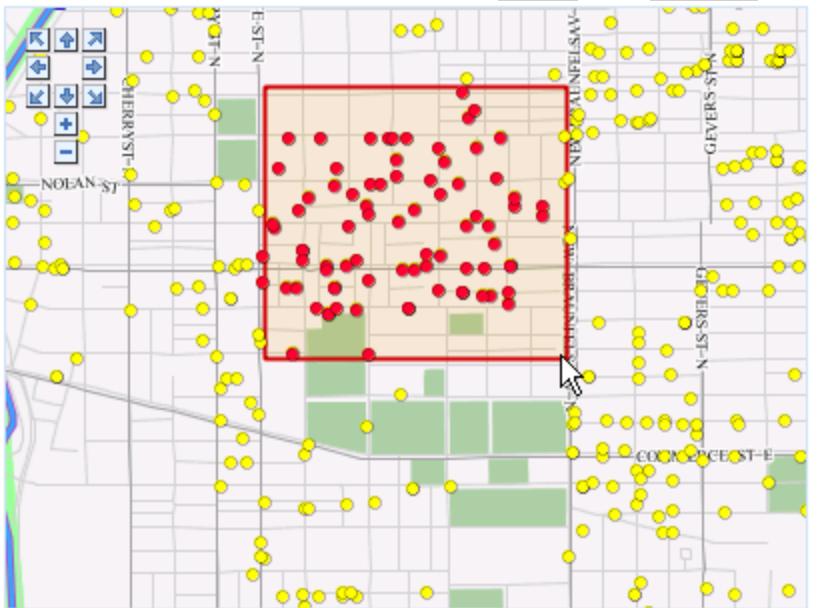
Incidents within user defined box Incidents within  ft of selected park  Searching... To cancel, click [here](#).

## Public Safety Dashboard

Welcome, Administrator! Dashboards - Answers - More Products - Settings

Filtered Map Pin Map Lasso Map Crime Analysis Dashboard Location Analysis Person Search Test Nav

Page Options

Incidents within user defined box Incidents within  ft of selected park

## Complaint Detail

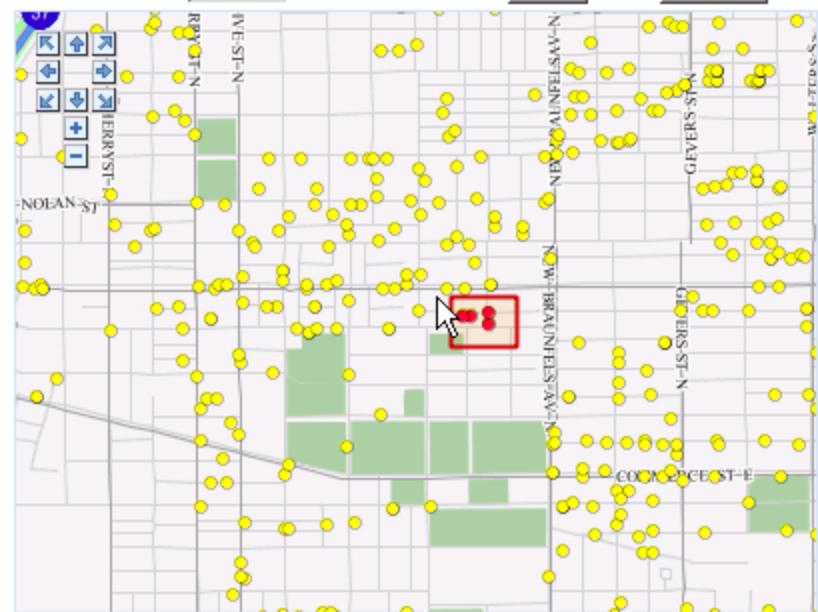
Offense Desc	PD Desc	Date Key	Complaint Key	Role Desc
		18-Aug-02	164	Rep
		14-Mar-03	40138	Rep
	ASSAULT 3	09-Apr-03	10149	Vic
		28-Oct-03	1143	Per
		28-Dec-03	31143	Per
ASSAULT 3 & RELATED OFFENSES		27-Sep-03	1119	Vic
		23-Jan-04	2044	Rep
		27-Jan-04	11119	Vic
	MENACING,UNCLASSIFIED	23-Mar-04	32044	Rep
		23-May-04	12044	Vic

## Public Safety Dashboard

Welcome, Administrator! Dashboards - Answers - More Products ▾ - Settings ▾ - Help

Filtered Map Pin Map Lasso Map Crime Analysis Dashboard Location Analysis Person Search Test Nav

Page Options

Incidents within user defined box Incidents within  ft of selected park  

## Complaint Detail

Offense Desc	PD Desc	Date Key	Complaint Key	Role Desc	First Name	Race Desc
ASSAULT 3 & RELATED OFFENSES	ASSAULT 3	18-Aug-02	164	Reporter	DARREL	WHITE HISPANIC
				Victim	RUBEN	WHITE HISPANIC
OFF. AGNST PUB ORD SENSBLTY &	AGGRAVATED HARASSMENT 2	04-Feb-03	1148	Reporter	ODIS	WHITE HISPANIC
				Victim	JACOB	WHITE HISPANIC

## Public Safety Dashboard

Welcome, Administrator! Dashboards - Answers - More Products - Settings

Filtered Map

Pin Map

Lasso Map

Crime Analysis Dashboard

Location Analysis

Person Search

Test Nav

Page Options

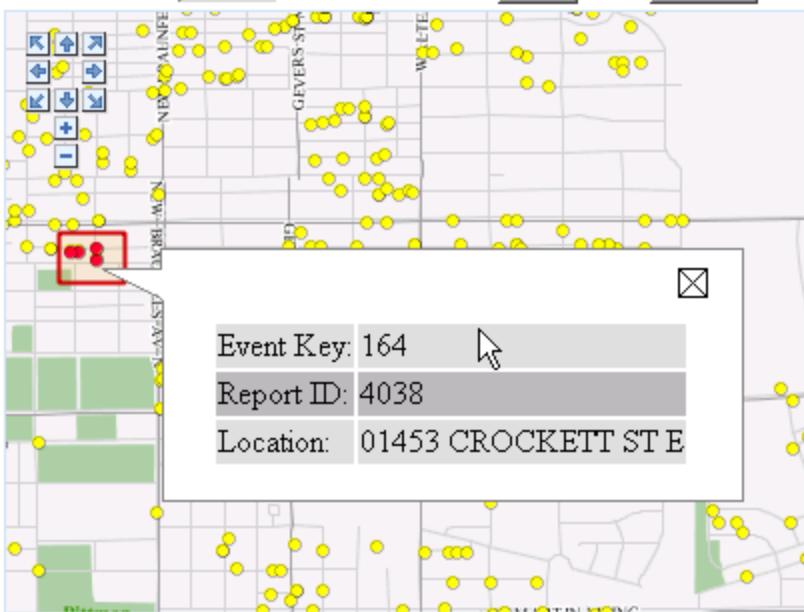
Incidents within user defined box

[Go]

Incidents within 0 ft of selected park

Go

Clear



## Complaint Detail

Offense Desc	PD Desc	Date Key	Complaint Key	Role Desc	First Name	Race Desc
ASSAULT 3 & RELATED OFFENSES	ASSAULT 3	18-Aug-02	164	Reporter	DARREL	WHITE HISPANIC
				Victim	RUBEN	WHITE HISPANIC
OFF. AGNST PUB ORD SENSBLTY &	AGGRAVATED HARASSMENT 2	04-Feb-03	1148	Reporter	ODIS	WHITE HISPANIC
				Victim	JACOB	WHITE HISPANIC

## Public Safety Dashboard

Welcome, Administrator! Dashboards - Answers - More Products - Settings

Filtered Map Pin Map Lasso Map Crime Analysis Dashboard Location Analysis Person Search Test Nav

Page Options

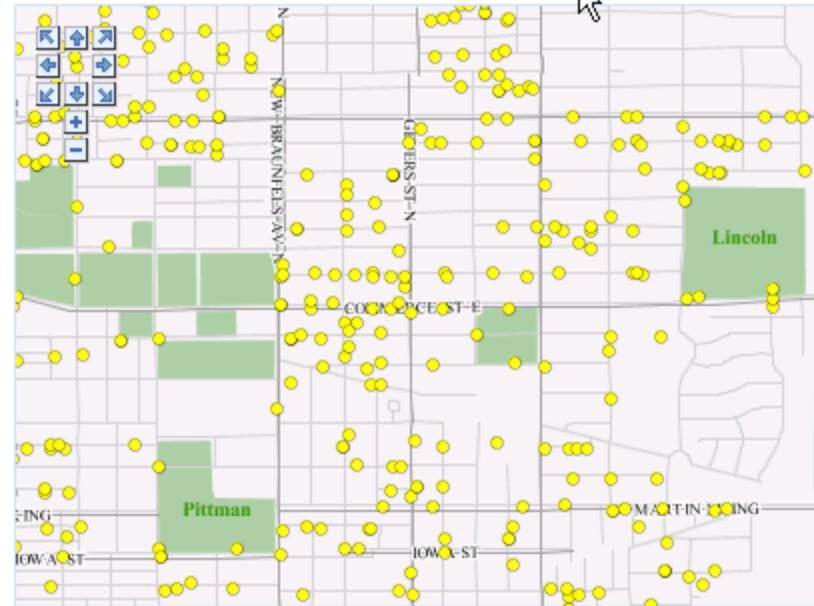
Incidents within user defined box

Go

Incidents within 500 ft of selected park

Go

Clear



## Complaint Detail

Offense Desc	PD Desc	Date Key	Complaint Key	Role Desc	First Name	Race Desc
ASSAULT 3 & RELATED OFFENSES	ASSAULT 3	18-Aug-02	164	Reporter	DARREL	WHITE HISPANIC
				Victim	RUBEN	WHITE HISPANIC
OFF. AGNST PUB ORD SENSBLTY &	AGGRAVATED HARASSMENT 2	04-Feb-03	1148	Reporter	ODIS	WHITE HISPANIC
				Victim	JACOB	WHITE HISPANIC

## Public Safety Dashboard

Welcome, Administrator! Dashboards - Answers - More Products - Settings

Filtered Map

Pin Map

Lasso Map

Crime Analysis Dashboard

Location Analysis

Person Search

Test Nav

Page Options

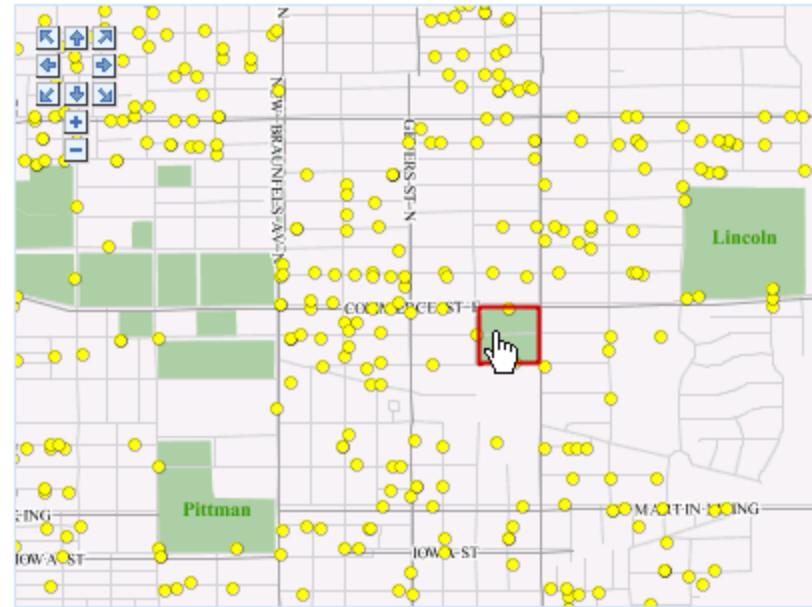
Incidents within user defined box

Go

Incidents within 500 ft of selected park

Go

Clear



## Complaint Detail

Offense Desc	PD Desc	Date Key	Complaint Key	Role Desc	First Name	Race Desc
ASSAULT 3 & RELATED OFFENSES	ASSAULT 3	18-Aug-02	164	Reporter	DARREL	WHITE HISPANIC
				Victim	RUBEN	WHITE HISPANIC
OFF. AGNST PUB ORD SENSBLTY &	AGGRAVATED HARASSMENT 2	04-Feb-03	1148	Reporter	ODIS	WHITE HISPANIC
				Victim	JACOB	WHITE HISPANIC

## Public Safety Dashboard

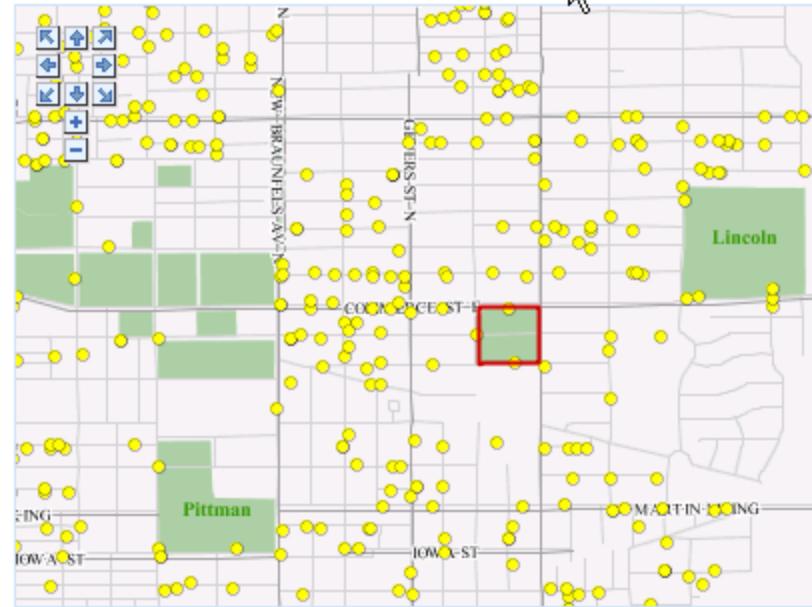
Welcome, Administrator! Dashboards - Answers - More Products - Settings

Filtered Map Pin Map Lasso Map Crime Analysis Dashboard Location Analysis Person Search Test Nav

Page Options

Incidents within user defined box

Incidents within 500 ft of selected park



## Complaint Detail

Offense Desc	PD Desc	Date Key	Complaint Key	Role Desc	First Name	Race Desc
ASSAULT 3 & RELATED OFFENSES	ASSAULT 3	18-Aug-02	164	Reporter	DARREL	WHITE HISPANIC
				Victim	RUBEN	WHITE HISPANIC
OFF. AGNST PUB ORD SENSBLTY &	AGGRAVATED HARASSMENT 2	04-Feb-03	1148	Reporter	ODIS	WHITE HISPANIC
				Victim	JACOB	WHITE HISPANIC

## Public Safety Dashboard

Welcome, Administrator! Dashboards - Answers - More Products - Settings

Filtered Map

Pin Map

Lasso Map

Crime Analysis Dashboard

Location Analysis

Person Search

Test Nav

Page Opti

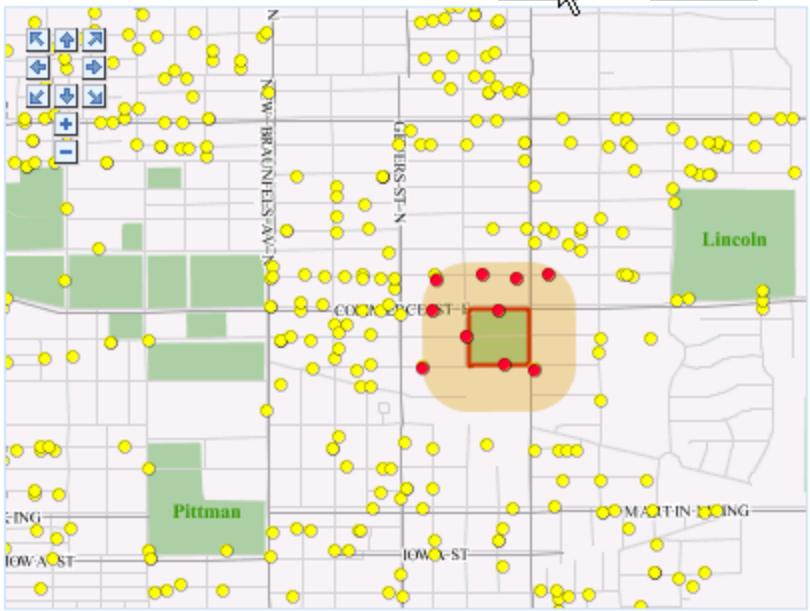
Incidents within user defined box

Go

Incidents within 500 ft of selected park

Go

Clear



## Complaint Detail

Offense Desc	PD Desc	Date Key	Complaint Key	Role Desc	Fi Na
ASSAULT 3 & RELATED OFFENSES	MENACING,UNCLASSIFIED	25-Dec-02	10183	Perp	NE
GRAND LARCENY OF MOTOR VEHICLE	LARCENY,GRAND OF AUTO	04-Aug-03	11175	Reporter	EV
HARRASSMENT 2	HARASSMENT,SUBD 1,CIVILIAN	15-Oct-03	11180	Victim	LA
	HARASSMENT,SUBD 3,4,5	17-Nov-03	1196	Perp	LL
OFF. AGNST PUB ORD SENSBLTY &	AGGRAVATED HARASSMENT 2	27-Oct-03	11183	Victim	
		27-Dec-03	41183	Reporter	AV
OFFENSES AGAINST PUBLIC ADMINI	CONTEMPT,CRIMINAL	02-Sep-02	30200	Victim	ER
				LA	
				TIF	

## Public Safety Dashboard

Welcome, Administrator! Dashboards - Answers - More Products ▾ - Settings ▾ - Help

Filtered Map

Pin Map

Lasso Map

Crime Analysis Dashboard

Location Analysis

Person Search

Test Nav

Page Options

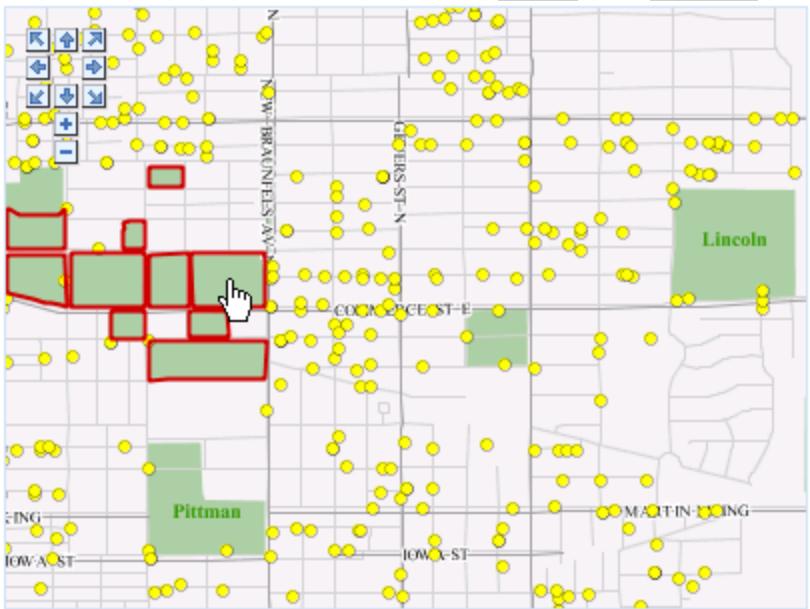
Incidents within user defined box

Go

Incidents within 500 ft of selected park

Go

Clear



## Complaint Detail

Offense Desc	PD Desc	Date Key	Complaint Key	Role Desc	File Name
ASSAULT 3 & RELATED OFFENSES	MENACING,UNCLASSIFIED	25-Dec-02	10183	Perp	NE
GRAND LARCENY OF MOTOR VEHICLE	LARCENY,GRAND OF AUTO	04-Aug-03	11175	Reporter	EV
HARRASSMENT 2	HARASSMENT,SUBD 1,CIVILIAN	15-Oct-03	11180	Victim	LA
	HARASSMENT,SUBD 3,4,5	17-Nov-03	1196	Perp	LL
OFF. AGNST PUB ORD SENSBLTY &	AGGRAVATED HARASSMENT 2	27-Oct-03	11183	Victim	
		27-Dec-03	41183	Reporter	AV
OFFENSES AGAINST PUBLIC ADMINI	CONTEMPT,CRIMINAL	02-Sep-02	30200	Victim	EF
				LA	
				TIF	

Public Safety Dashboard

Welcome, Administrator! [Dashboards](#) - [Answers](#) - [More Products](#) ▾ - [Settings](#) ▾ - [Help](#)

Page Opti

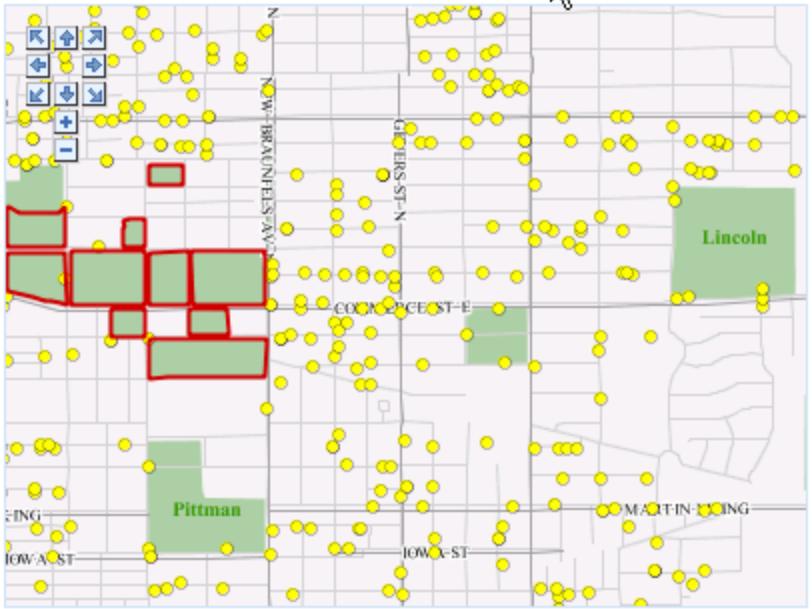
### Incidents within user defined box

Go

Incidents within 500 ft of selected park

ed park

Clear



## Complaint Detail

Offense Desc	PD Desc	Date Key	Complaint Key	Role Desc	File No
ASSAULT 3 & RELATED OFFENSES	MENACING,UNCLASSIFIED	25-Dec-02	10183	Perp	NE
				Reporter	EV
				Victim	LA
GRAND LARCENY OF MOTOR VEHICLE	LARCENY,GRAND OF AUTO	04-Aug-03	11175	Victim	LU
HARRASSMENT 2	HARASSMENT, SUBD 1,CIVILIAN	15-Oct-03	11180	Perp	
				Reporter	
	HARASSMENT, SUBD 3,4,5	17-Nov-03	1196	Perp	
OFF. AGNST PUB ORD SENSBLTY &	AGGRAVATED HARASSMENT 2	27-Oct-03	11183	Victim	
		27-Dec-03	41183	Victim	
OFFENSES AGAINST PUBLIC ADMINI	CONTEMPT,CRIMINAL	02-Sep-02	30200	Reporter	AT
				Victim	EF
					LA
					TI

## Public Safety Dashboard

Welcome, Administrator! Dashboards - Answers - More Products - Settings - Help

Filtered Map

Pin Map

Lasso Map

Crime Analysis Dashboard

Location Analysis

Person Search

Test Nav

Page Options

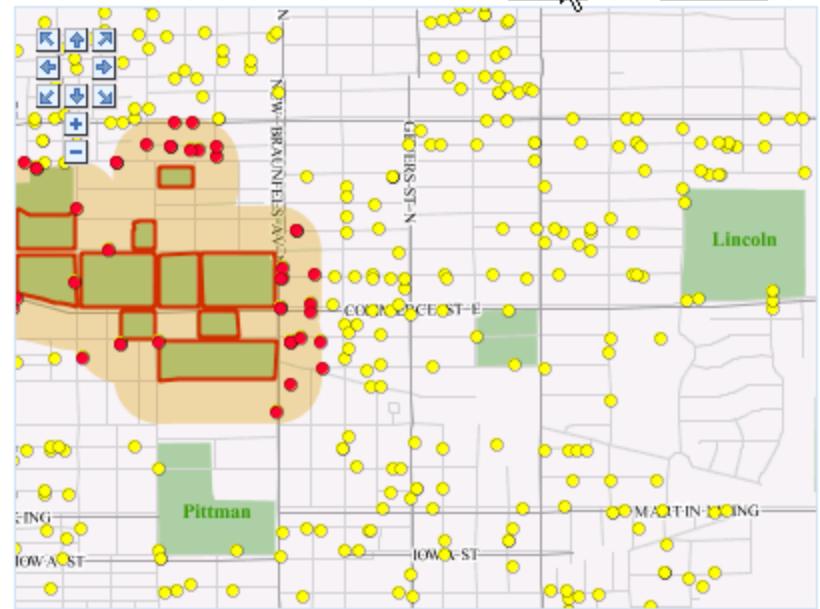
Incidents within user defined box

Go

Incidents within 500 ft of selected park

Go

Clear



## Complaint Detail

Offense Desc	PD Desc	Date Key	Complaint Key	Role Desc	First Name
ASSAULT 3 & RELATED OFFENSES	ASSAULT 3	18-Aug-02	164	Reporter	DARR
		14-Mar-03	40138	Victim	RUBE
CRIMINAL MISCHIEF & RELATED OF	MISCHIEF, CRIMINAL 3 & 2, OF M	29-Mar-03	1174	Victim	KARL
		29-May-03	31174	Victim	KARL
	MISCHIEF, CRIMINAL 4, OF MOTOR	27-Apr-04	41142	Reporter	FRAN
				Victim	JESSE
				Perp	ALAY
		07-Jul-03	41163	Reporter	LORI
				Victim	ASHA
				Perp	ROSA
		21-Sep-03	11118	Reporter	WAYI
				Victim	MARL
				Perp	KORT

## Public Safety Dashboard

Welcome, Administrator! Dashboards - Answers - More Products - Settings - Help

Filtered Map

Pin Map

Lasso Map

Crime Analysis Dashboard

Location Analysis

Person Search

Test Nav

Page Options

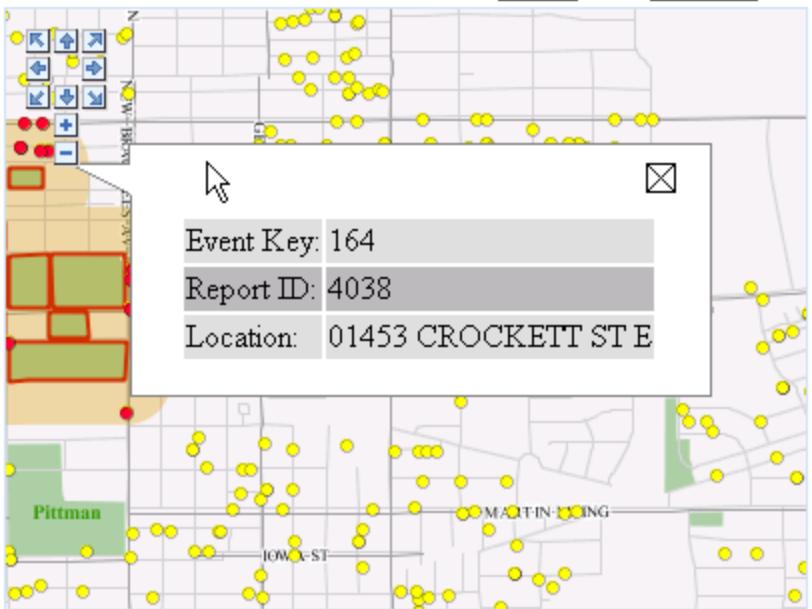
Incidents within user defined box

Go

Incidents within 500 ft of selected park

Go

Clear

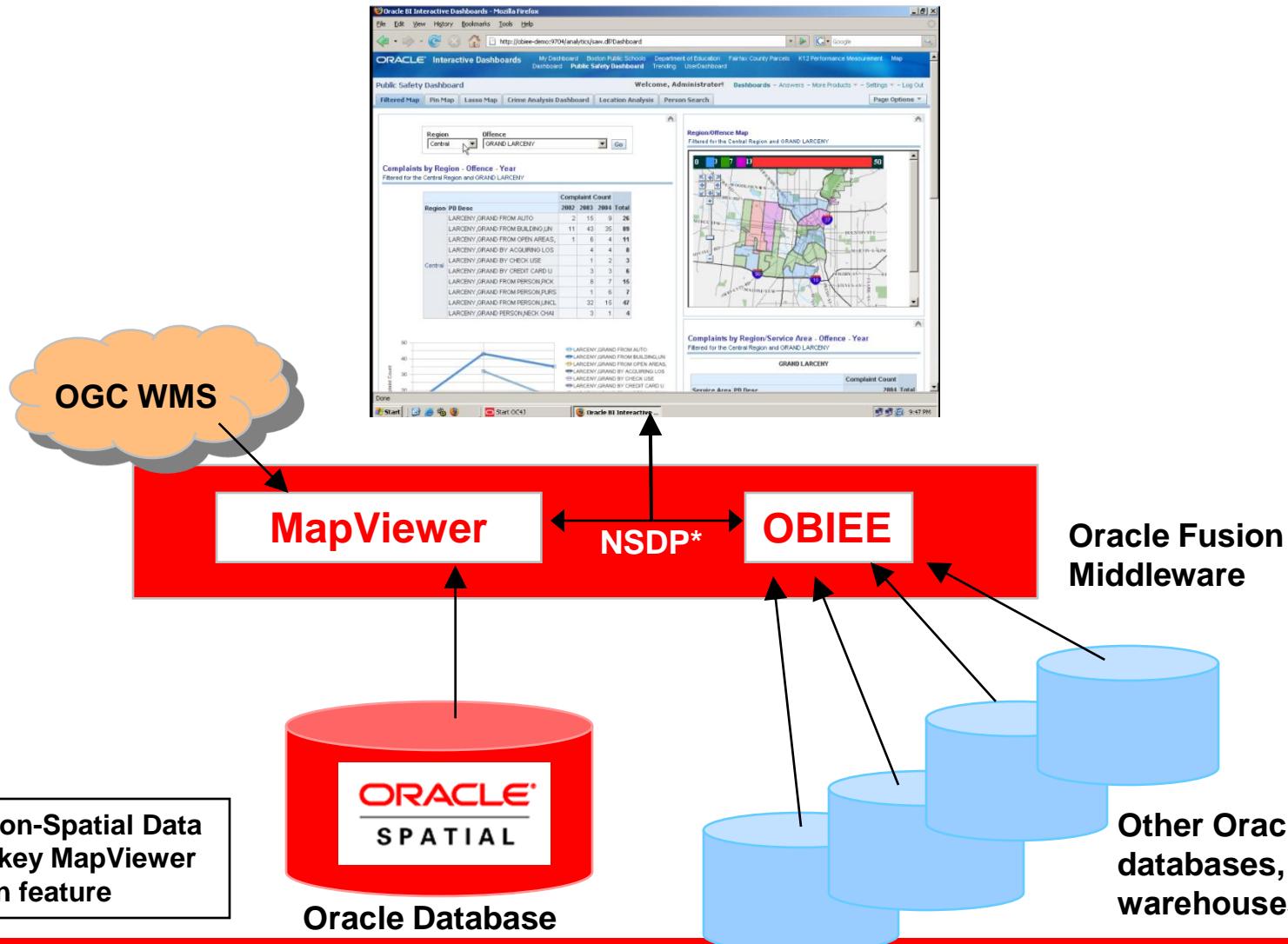


## Complaint Detail

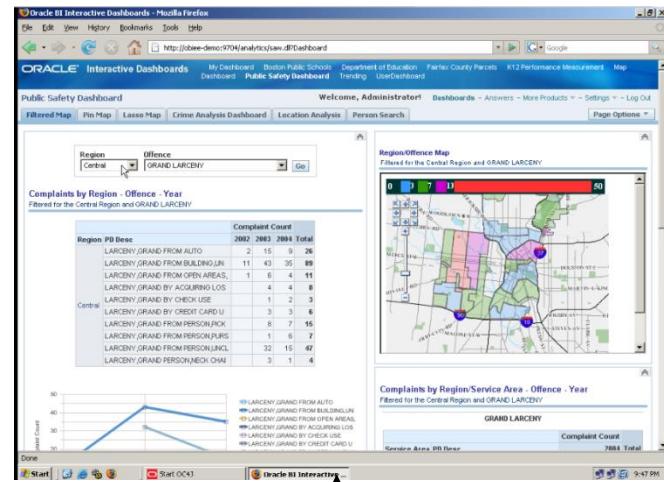
Offense Desc	PD Desc	Date Key	Complaint Key	Role Desc	First Name
ASSAULT 3 & RELATED OFFENSES	ASSAULT 3	18-Aug-02	164	Reporter	DARR
		14-Mar-03		Victim	RUBE
CRIMINAL MISCHIEF & RELATED OF	MISCHIEF, CRIMINAL 3 & 2, OF M	29-Mar-03	40138	Reporter	DEME
		29-May-03		Victim	VEST
	MISCHIEF, CRIMINAL 4, OF MOTOR	27-Apr-04	41142	Reporter	FRAN
				Victim	JESSE
			41163	Perp	ALAY
		07-Jul-03		Reporter	LORI
				Victim	ASHA
			1118	Perp	ROSA
		21-Sep-03		Reporter	WAYI
				Victim	MARL
			KORT	Perp	KORT

# Integration Framework

## BI EE and MapViewer



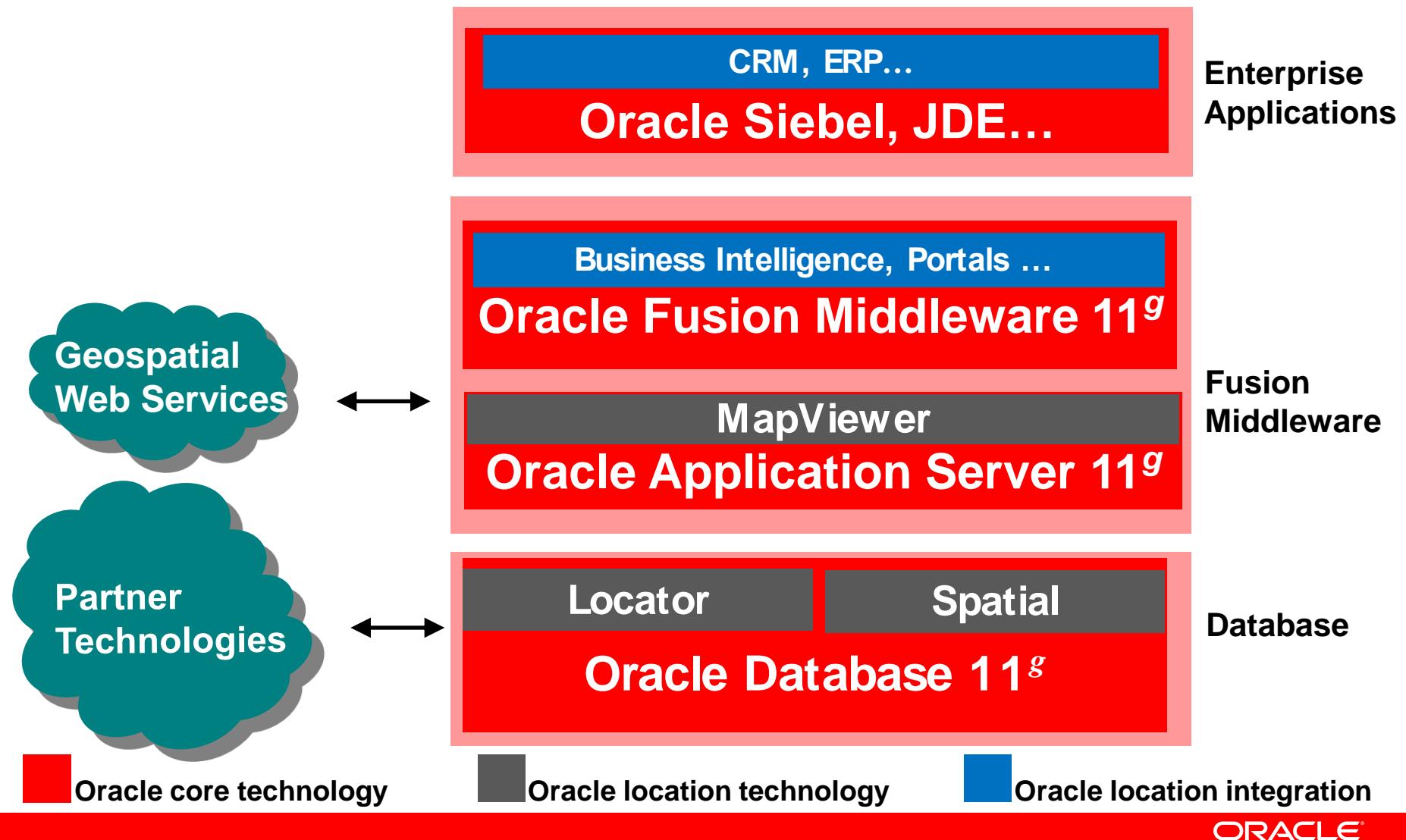
\* NSDP (Non-Spatial Data Provider) key MapViewer integration feature



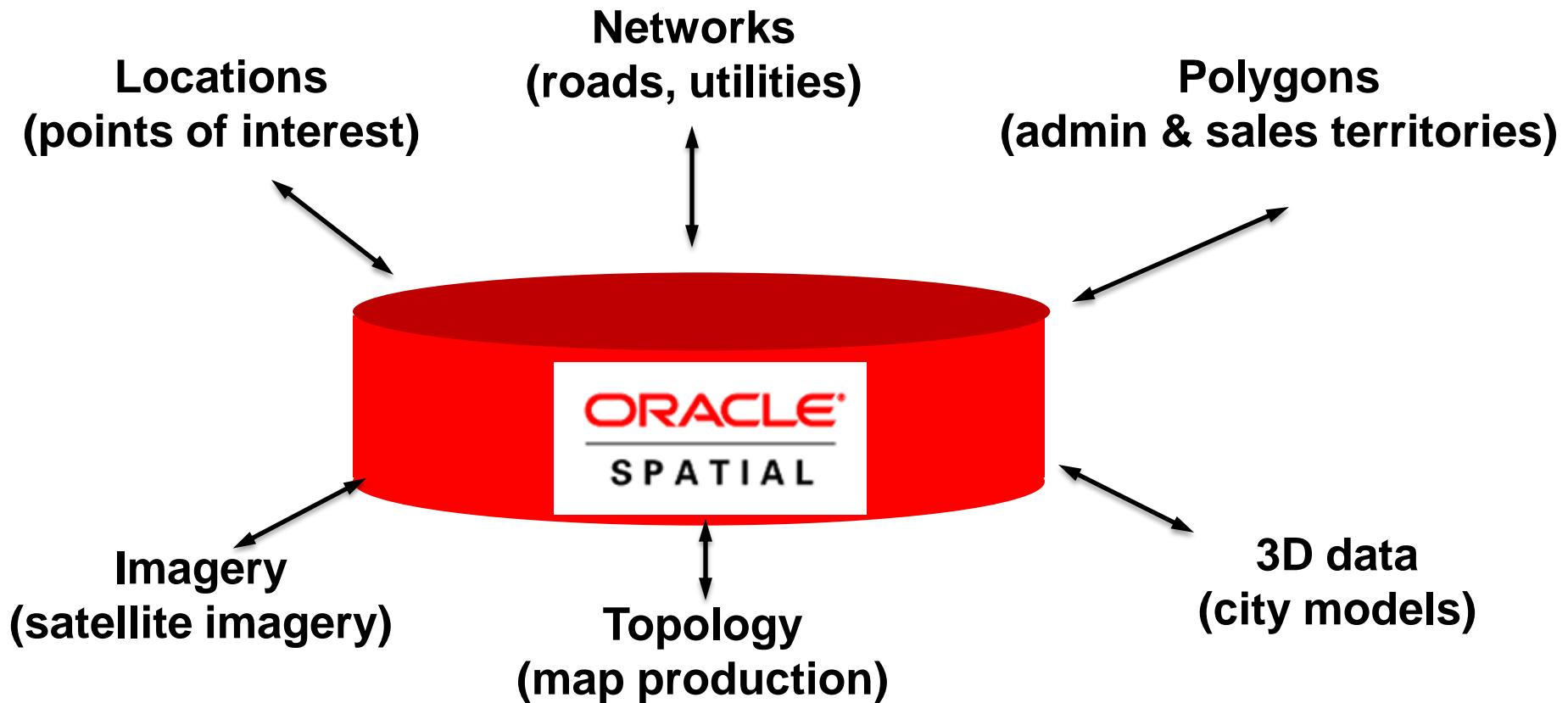
Oracle Database

ORACLE®

# Location-enabled Oracle Platform



# Geospatial Data Management



# BI & Spatial Integration

- BI 11g & Spatial Integration
  - What's coming
- BI and Spatial Integration
  - What is possible today
- Spatial Data
  - NAVTEQ
  - Digital Globe

# NAVTEQ Map Boundary Data Bundle

## Available From OTN

- North America, Western Europe, Eastern Europe, Asia-Pacific, and Emerging Markets
  - Regional roads
  - Named places
  - Country, state, province, county, and city boundaries

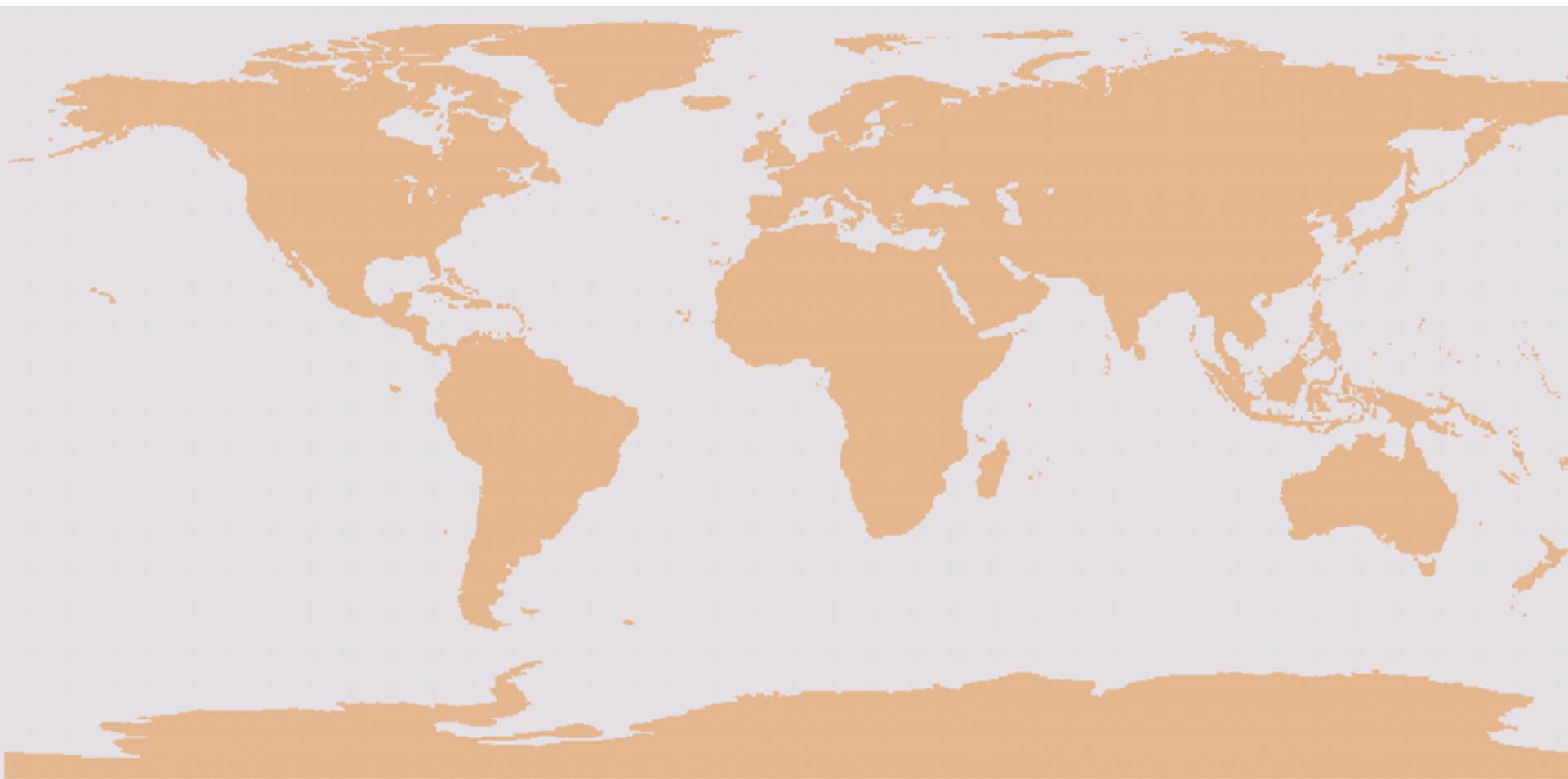
# Spatial Data

NAVTEQ

- Multiyear Agreement to incorporate boundary mapping data into Oracle® Database 10g and other Oracle products.
- With Oracle Database 11g, data for over 40 countries available.
- North America, Western Europe, Eastern Europe, Asia-Pacific, and Emerging Markets
  - Regional roads
  - Named places
  - Country, state, province, county, and city boundaries
- Data is supplied in Oracle's native spatial data format:  
**SDO\_Geometry**

# NAVTEQ Boundary Data Samples

## World Overview Map



# NAVTEQ Boundary Data Samples

## Country Boundaries



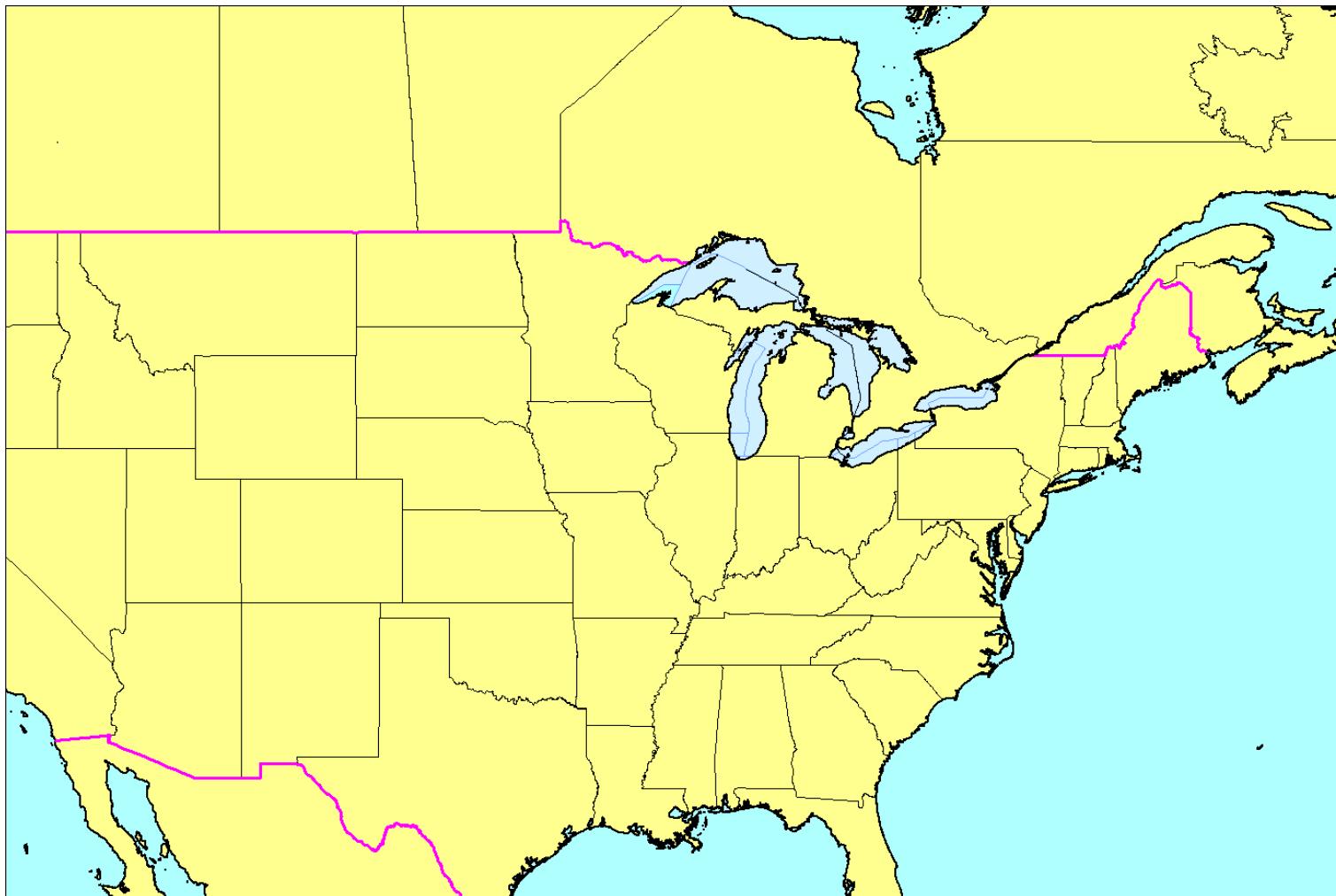
# NAVTEQ Boundary Data Samples

## Europe – Boundaries & Cities



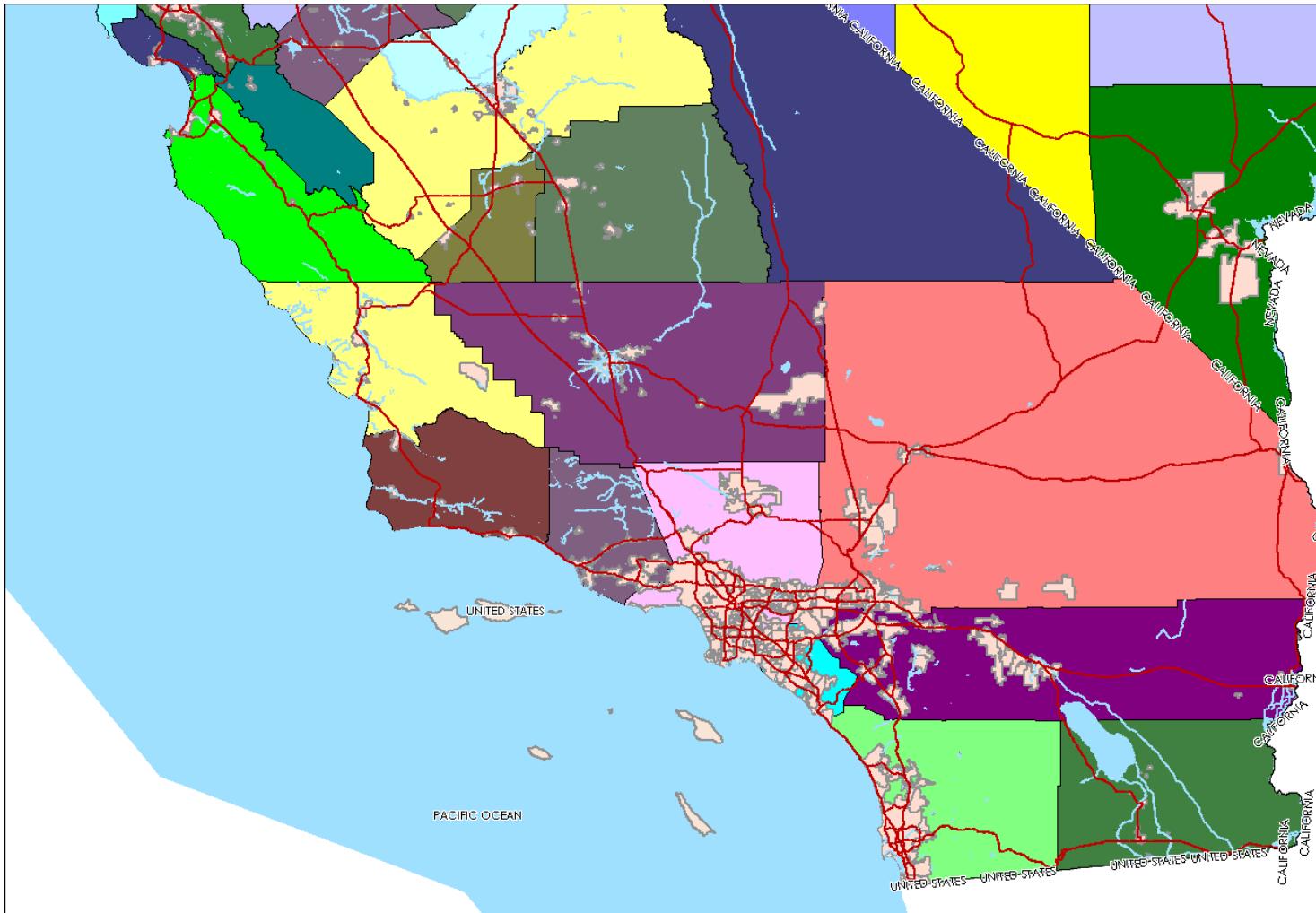
# NAVTEQ Boundary Data Samples

## US State Boundaries



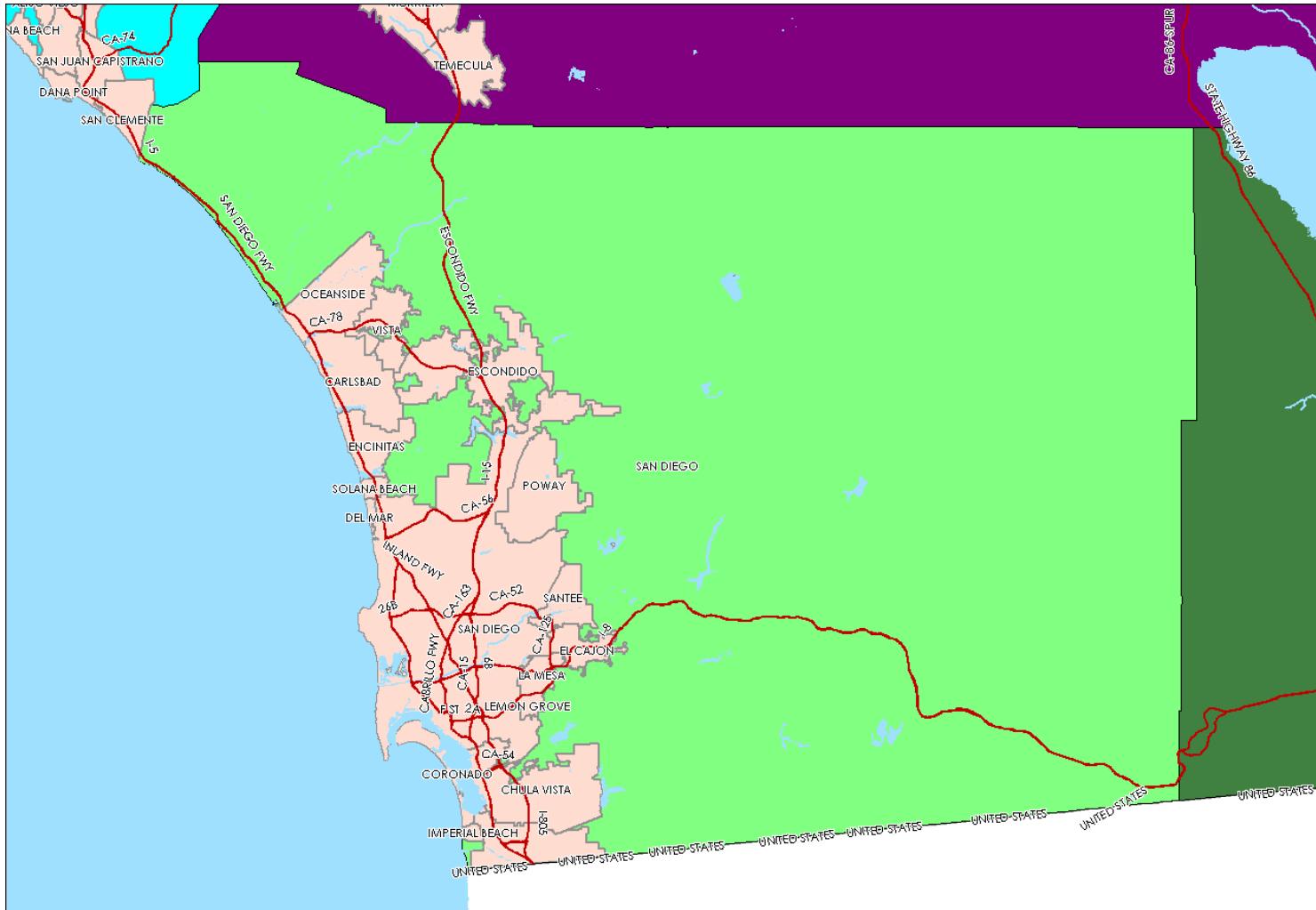
# NAVTEQ Boundary Data Samples

## Counties



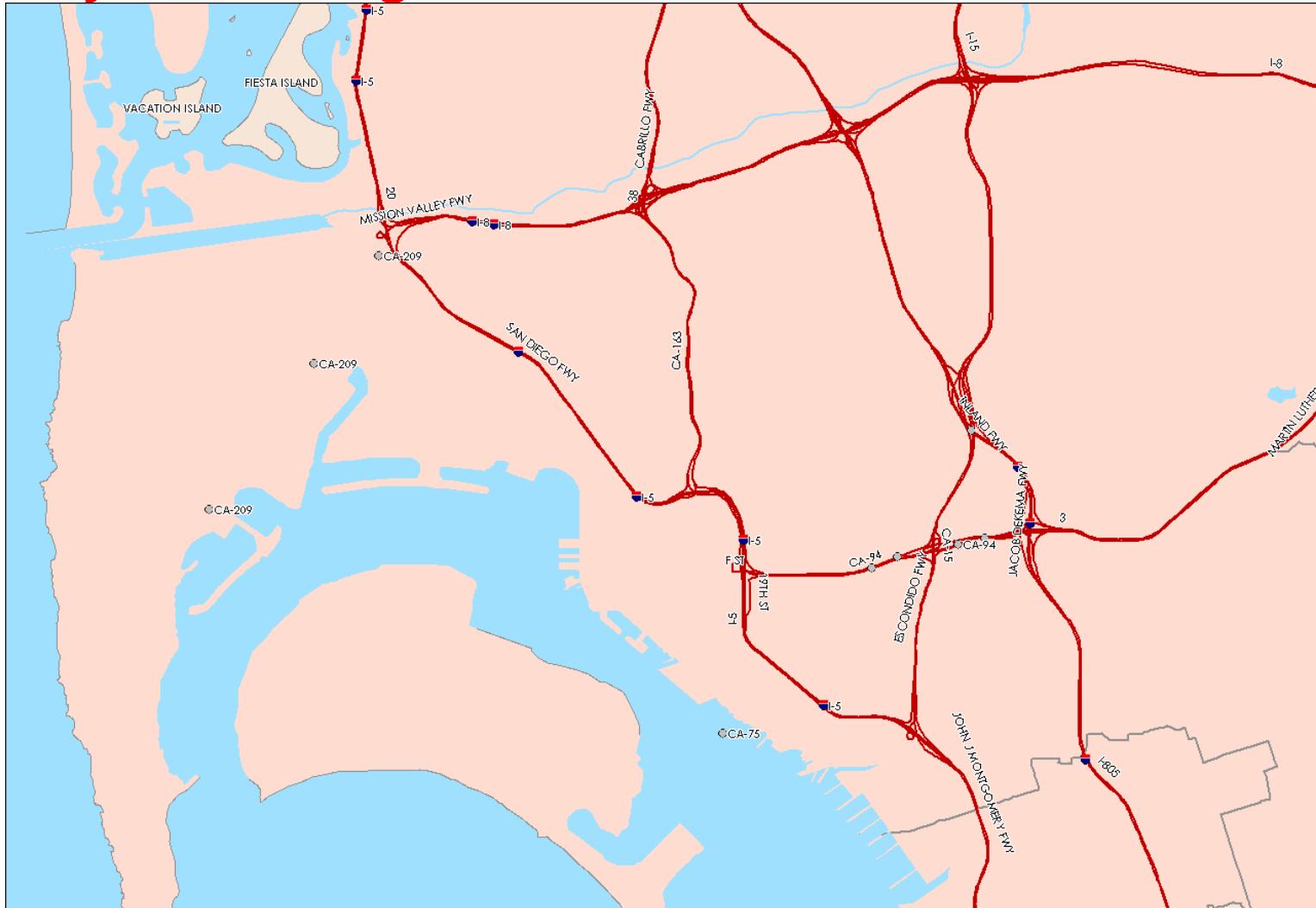
# NAVTEQ Boundary Data Samples

## County – San Diego county and cities



# NAVTEQ Boundary Data Samples

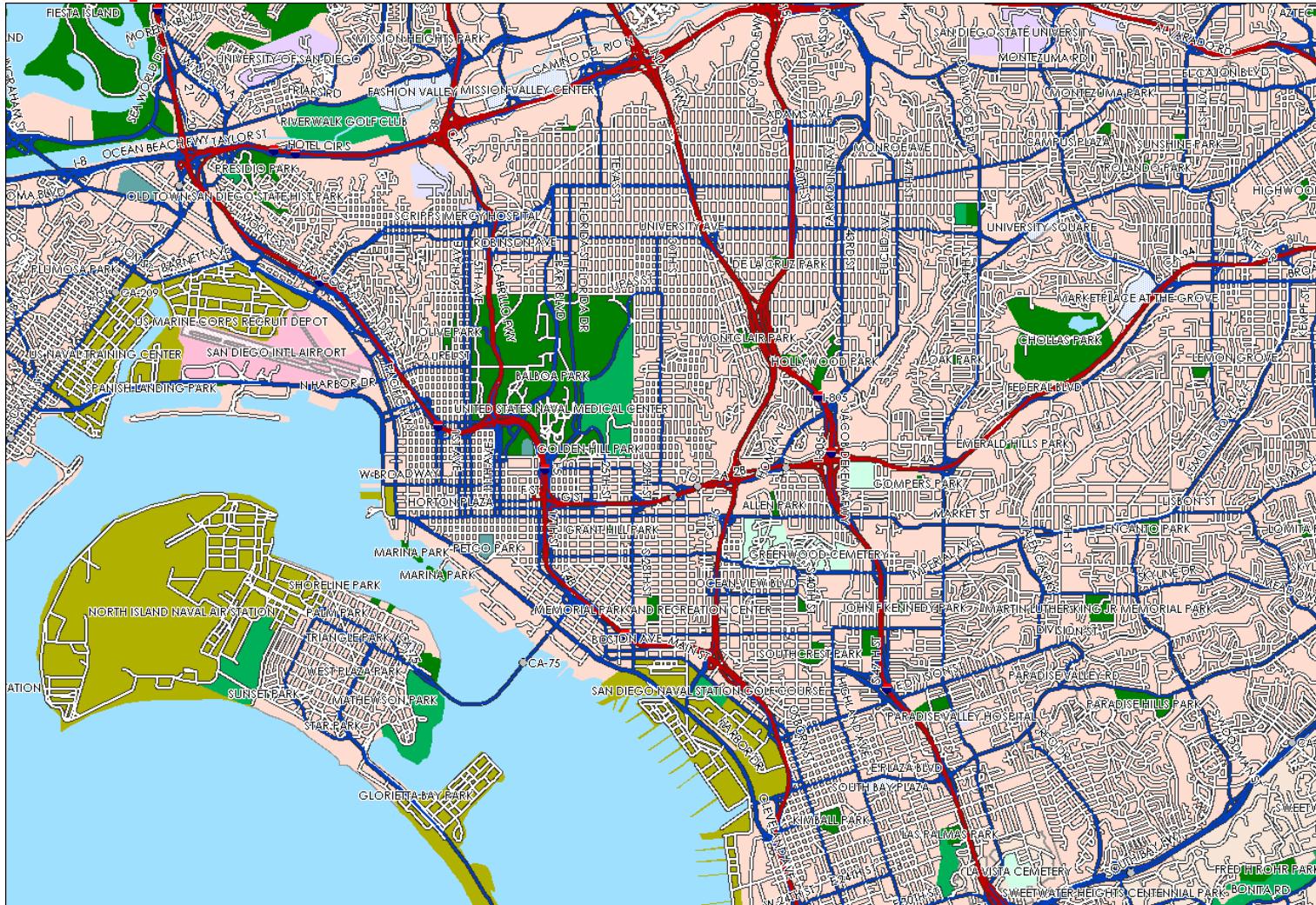
# City – San Diego



ORACLE®

# NAVTEQ Detailed Map Content

# Compatible with BI and Oracle



ORACLE®

Additional data available from NAVTEQ; not available from OTN

# NAVTEQ Detailed Zip Code Content

## Compatible with BI and Oracle

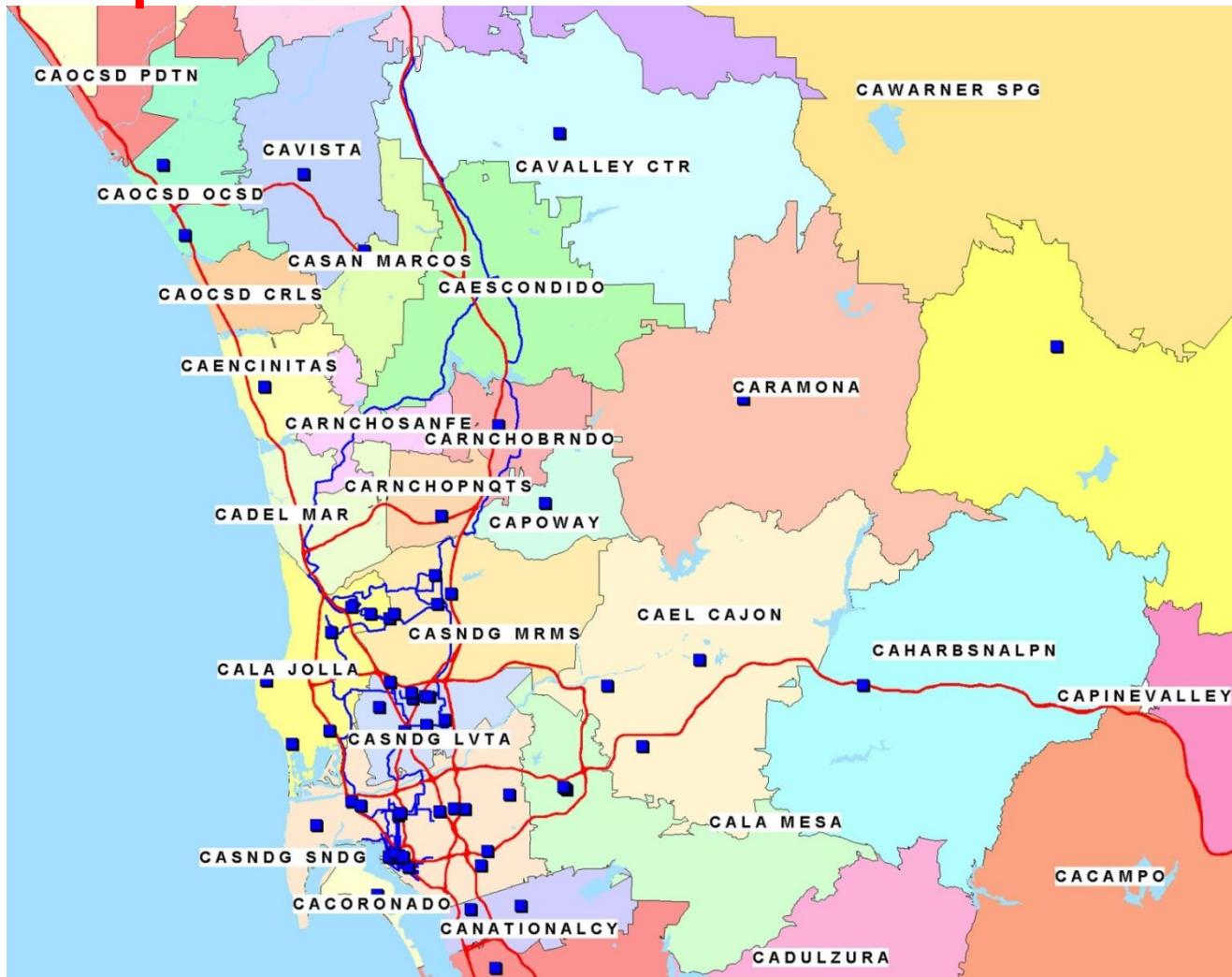


ORACLE®

Additional data available from NAVTEQ; not available from OTN

# NAVTEQ Detailed Telecom Map Content

## Compatible with BI and Oracle

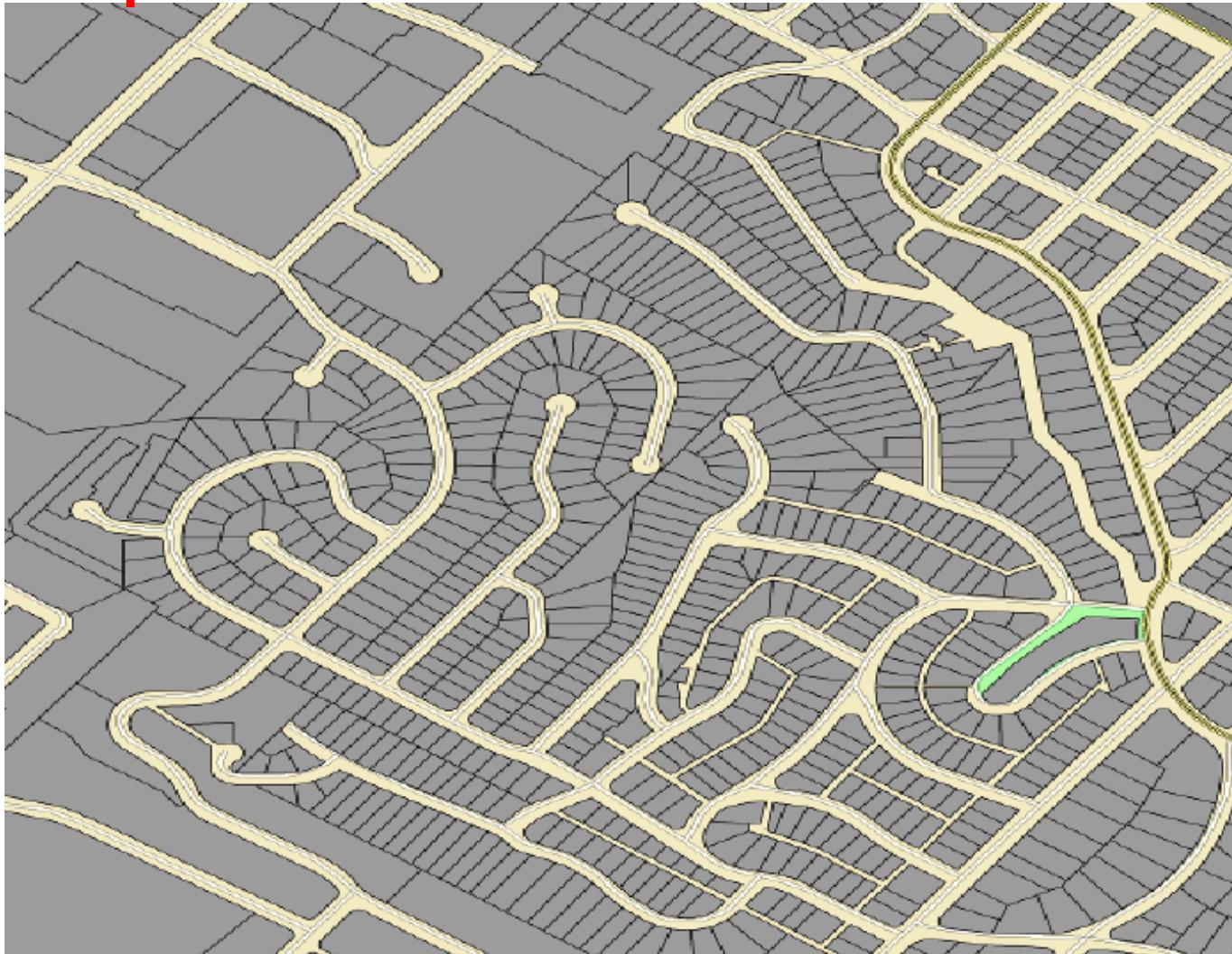


ORACLE®

Additional data available from NAVTEQ; not available from OTN

# NAVTEQ Detailed Parcel Map Content

**Compatible with BI and Oracle**

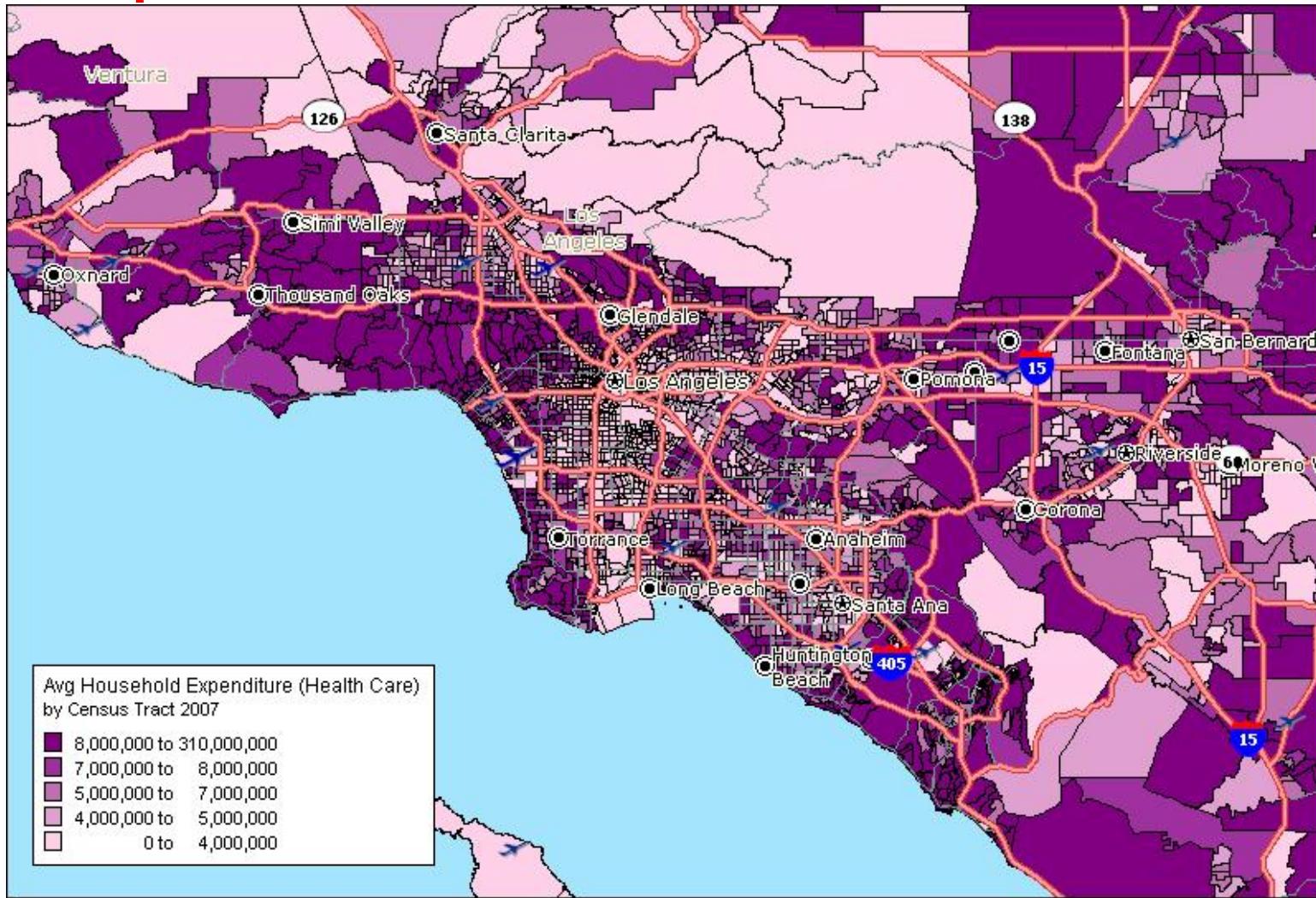


ORACLE®

Additional data available from NAVTEQ; not available from OTN

# NAVTEQ Detailed Census Map Content

## Compatible with BI and Oracle

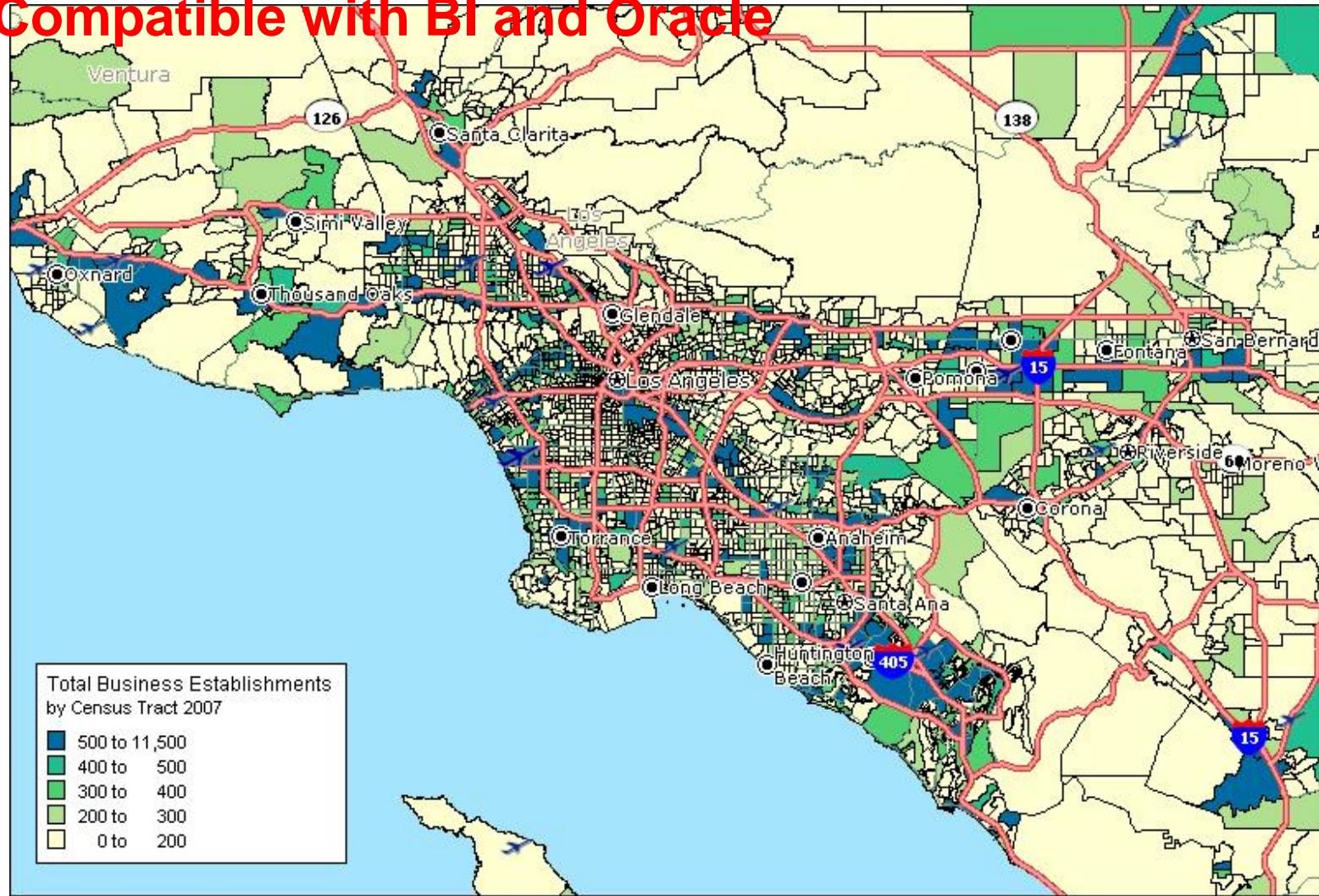


ORACLE®

Additional data available from NAVTEQ; not available from OTN

# NAVTEQ Detailed Census Map Content

Compatible with BI and Oracle



ORACLE®

Additional data available from NAVTEQ; not available from OTN

# BI SPATIAL VIEWS DIGITAL GLOBE



Total Releases Carcinogen Water Releases Air Releases

Page Options

Reporting Year

## All Total Releases by Year and Region

TRI Fac Region	Change from Prior Year
8	<span style="color: green;">●</span> -33.79%
4	<span style="color: yellow;">●</span> -8.13%
5	<span style="color: yellow;">●</span> -6.51%
9	<span style="color: yellow;">●</span> -5.32%
3	<span style="color: yellow;">●</span> -1.37%
2	<span style="color: red;">●</span> 0.18%
6	<span style="color: red;">●</span> 0.85%
10	<span style="color: red;">●</span> 2.60%
7	<span style="color: red;">●</span> 6.47%
1	<span style="color: red;">●</span> 22.58%

[Modify](#) - [Refresh](#) - [Print](#) - [Download](#) - [Add to Briefing Book](#)

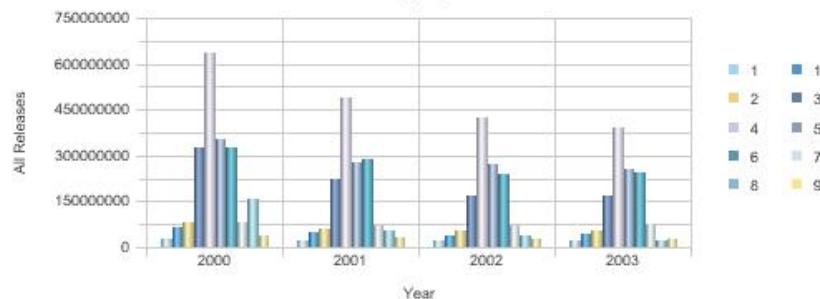
## All Total Releases by Year and Region



## All Total Releases by Year and Region Chart

Choose Chart Type 

## Year by Region



Reporting Year	TRI Fac Region
2003	1
<input type="button" value="Go"/>	

### All Total Releases by Year and State

TRI Fac State Name	Change from Prior Year
RHODE ISLAND	 -41.32%
CONNECTICUT	 -14.85%
MASSACHUSETTS	 3.60%
VERMONT	 11.48%
NEW HAMPSHIRE	 28.20%
MAINE	 49.24%

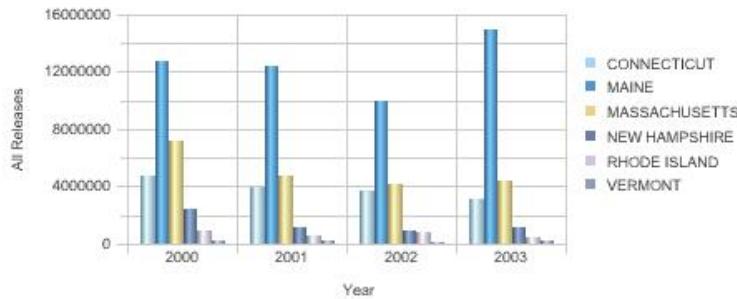
[Modify](#) - [Refresh](#) - [Print](#) - [Download](#) - [Add to Briefing Book](#)

### All Total Releases by Year and State



©2007 DigitalGlobe, NAVTEQ

### All Total Releases by Year and State Chart



Total Releases Carcinogen Water Releases Air Releases

Page Options

Reporting Year TRI Fac State Name

2003 MAINE

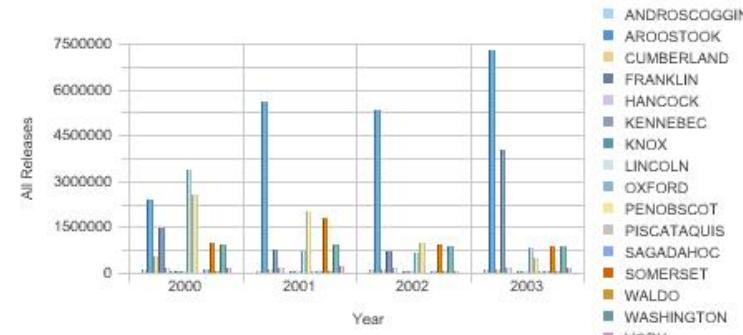
## All Total Releases by Year and County

County Fips	TRI Fac County Name	Change from Prior Year
23019	PENOBCOT	<span style="color: green;">-50.43%</span>
23013	KNOX	<span style="color: green;">-23.68%</span>
23009	HANCOCK	<span style="color: green;">-10.85%</span>
23025	SOMERSET	<span style="color: yellow;">-7.31%</span>
23023	SAGADAHOC	<span style="color: yellow;">-3.63%</span>
23029	WASHINGTON	<span style="color: yellow;">-2.71%</span>
23001	ANDROSCOGGIN	<span style="color: yellow;">-2.69%</span>
23005	CUMBERLAND	<span style="color: red;">1.11%</span>
23027	WALDO	<span style="color: red;">3.92%</span>
23015	LINCOLN	<span style="color: red;">8.59%</span>
23017	OXFORD	<span style="color: red;">24.95%</span>
23003	AROOSTOOK	<span style="color: red;">36.81%</span>
23031	YORK	<span style="color: red;">220.14%</span>
23007	FRANKLIN	<span style="color: red;">513.42%</span>

## All Total Releases by Year and County



## All Total Releases by Year and County Chart



Year:  County:

**All Total Releases by Year and Facility**

TRI Facility Id	TRI Facility Name	Change from Prior Year
04073SPRGLROUTE	VISHAY SPRAGUE INC	 -100.00%
04073XPNDONERI	EXPANDED RUBBER PRODUCTS INC	 -49.00%
03906PRTTWRROUTE	PRATT & WHITNEY	 18.26%
04073CYRNDINDUS	CYRO INDUSTRIES	 41.97%
03901PRMTNSULLI	PRIME TANNING CO INC	 134.76%
03904PRTSMSEAVE	U.S. NAVY PORTSMOUTH NAVAL SHIPYARD	 510948.00%

**All Total Releases by Year and Facility****All Total Releases- Facility Detail**

TRI Facility Id	Reporting Year	Change from Prior Year	New All Totals	New All Totals Prior Year	Water Total Release	Water Total Release Prior Year
04073SPRGLROUTE	2004					
04073SPRGLROUTE	2003	 -100.00%		2176		
04073SPRGLROUTE	2002	 143.40%	2176	894		
04073SPRGLROUTE	2001	 -82.57%	894	5129		
04073SPRGLROUTE	2000		5129			

Year:  County:

### All Total Releases by Year and Facility

TRI Facility Id	TRI Facility Name	Change from Prior Year
04073SPRGLROUTE	VISHAY SPRAGUE INC	 -100.00%
04073XPNDDONERI	EXPANDED RUBBER PRODUCTS INC	 -49.00%
03906PRTTWRROUTE	PRATT & WHITNEY	 18.26%
04073CYRNDINDUS	CYRO INDUSTRIES	 41.97%
03901PRMTNSULLI	PRIME TANNING CO INC	 134.76%
03904PRTSMSEAVE	U.S. NAVY PORTSMOUTH NAVAL SHIPYARD	 510948.00%

### All Total Releases by Year and Facility



### All Total Releases- Facility Detail

TRI Facility Id	Reporting Year	Change from Prior Year	New All Totals	New All Totals Prior Year	Water Total Release	Water Total Release Prior Year
03904PRTSMSEAVE	2004	 -11.35%	11318	12776	8	0
03904PRTSMSEAVE	2003	 510948.00%	12776	3	0	0
03904PRTSMSEAVE	2002	 -78.45%	3	12	0	0
03904PRTSMSEAVE	2001		12		0	
03904PRTSMSEAVE	2000					

Command Prompt

# Spatial Data

## DigitalGlobe

- Satellite and aerial imagery and related data
- Sample data available on OTN for download
  - <http://www.oracle.com/technology/products/spatial/>
  - Oracle Spatial formatted (GeoRaster) sample imagery of San Francisco

# For More Information

search.oracle.com

business intelligence



or  
[oracle.com/bi](http://oracle.com/bi)





**ORACLE IS THE INFORMATION COMPANY**

**ORACLE®**