



ORACLE®

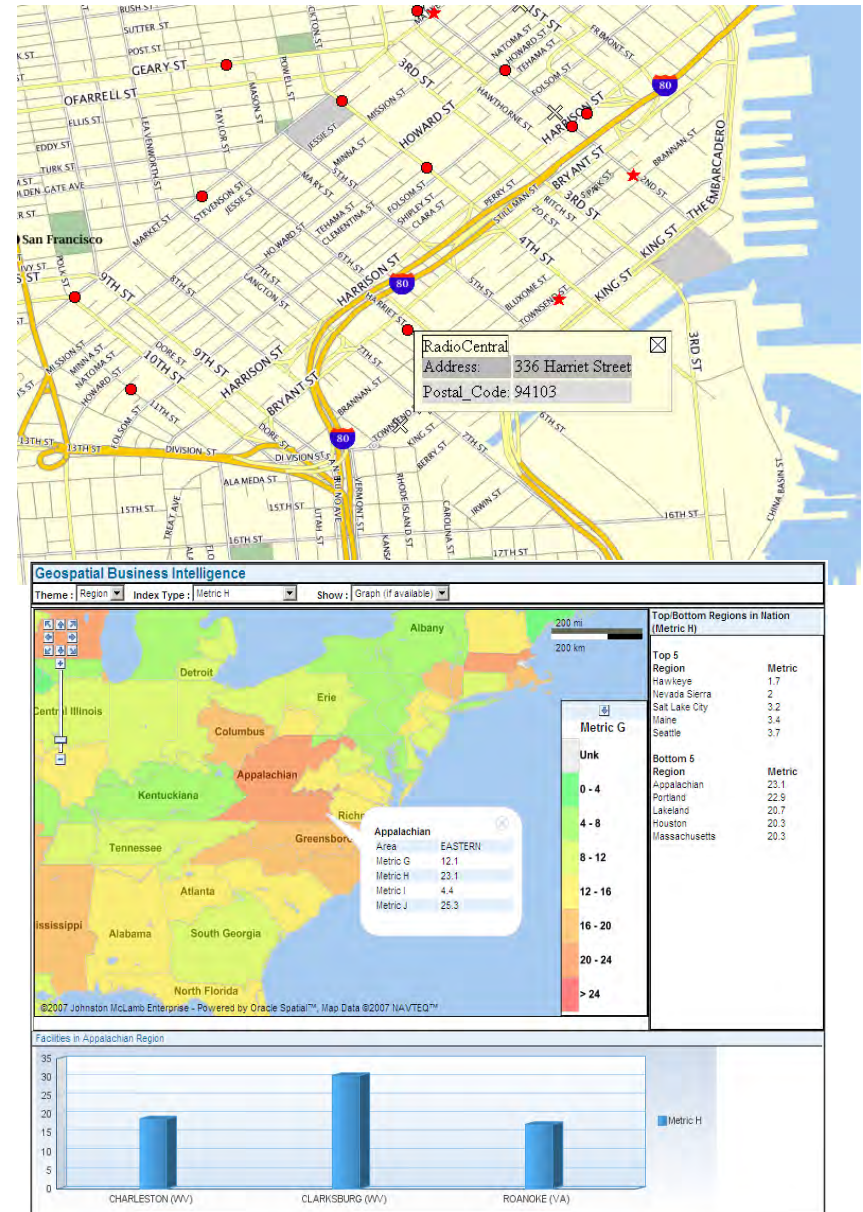
Oracle MapViewer Overview

Albert Godfrind, Oracle Spatial Development
France

Oracle MapViewer

A standard feature of all Oracle Fusion Middleware editions

- Standards-based J2EE and Java Server Faces component
 - XML/HTTP, Java/AJAX
- Publish spatial data to the web
- Map and feature cache provides smooth scroll (pan, zoom)
- Rich Java, XML, JavaScript APIs provide client side interactivity
- Centrally managed map definitions, symbology, and styling rules



Map-Enriched Business Applications

Geospatial Operations and Workforce Management - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://208.224.173.7:7777/edchr/locint.jsp

Latest Headlines Johnston McLamb Int...

Geospatial Operations and Workforce Management

Facility Type: Museum On right click show: Police within 2 mi. radius Clear Selections

Search Results: Driving Directions

Remove Routes

Directions to Navy Museum

1. Start out on 7TH ST SE (Going South) (0.7 miles) (1.8 minutes)
2. Turn RIGHT onto M ST SE (Going West) (0.1 miles) (0.2 minutes)
3. Turn LEFT onto ISAAC HULL AVE SE (Going South) (0.2 miles) (0.6 minutes)
4. Turn LEFT onto SICARD ST SE (Going East) (0.1 miles) (0.2 minutes)

Directions to Marine Corps Museum

1. Start out on 7TH ST SE (Going South) (0.6 miles) (1.4 minutes)
2. Turn LEFT onto VIRGINIA AVE SE (Going East) (0.0 miles) (0.1 minutes)
3. Stay STRAIGHT to go onto RAMP (Going East) (0.0 miles) (0.1 minutes)
4. Turn RIGHT onto 8TH ST SE (Going South) (0.0 miles) (0.0 minutes)

Police P
Hospital H
University U
School S
Museum M
Recreation R
Library L
Judicial J

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Geospatial Operations and Complement Management

Facility Type: School On right click show: Police within 2 mi. radius Clear Selections

Search Results: Driving Directions

- ST PETER'S INTERPARISH SCHOOL
422 3RD ST SE
WASHINGTON, DISTRICT OF COLUMBIA 20003
- PEABODY ELEMENTARY SCHOOL
425 C ST NE
WASHINGTON, DISTRICT OF COLUMBIA 20002
- BRENT ELEMENTARY & MAGNET SC
330 D ST SE
WASHINGTON, DISTRICT OF COLUMBIA 20003
- VAN NESS ELEMENTARY SCHOOL
1150 5TH ST SE
WASHINGTON, DISTRICT OF COLUMBIA 20003
- HOWARD ROAD ACADEMY CHARTER
701 HOWARD RD SE
WASHINGTON, DISTRICT OF COLUMBIA 20020
- HIKE JUNIOR HIGH SCHOOL
455 1ST ST SE
WASHINGTON, DISTRICT OF COLUMBIA 20003

EMERSON PREPARATORY SCHOOL
Employee counts by class/category

Casual	2	Admin	0
FT	40	Distribution	58
PT Flexible	3	Executive	2
PT Regular	0	Facilities	0
Relief	26	Maintenance	1
Temp Emerg	0	Nurse	0
Temp	0	Teacher	12

Oracle Applications - ADS Vision LE0040

File Edit View Folder Tools Navigate Window Help

Field Service Dispatch Center

Tasks

View By: Assigned

Number: 15428, 15442, 15446, 15432, 15434, 15682, 15572, 15568, 15574, 15450, 15449, 15636, 15638, 15512, 15514, 15635, 15516

Service Request

Number: 12419 Ordered: 16-APR-2002 05:30:11 Unit:

Summary: street light hit by car

Problem:

Resolution:

Service History

Task: Number 15635 Status Assigned Respond By Effort 2 HRS

Plan Board Gantt Map

Service Area: Reset NOT USED

Zoom: In Out

Navigate:

Tasks: Show Clear

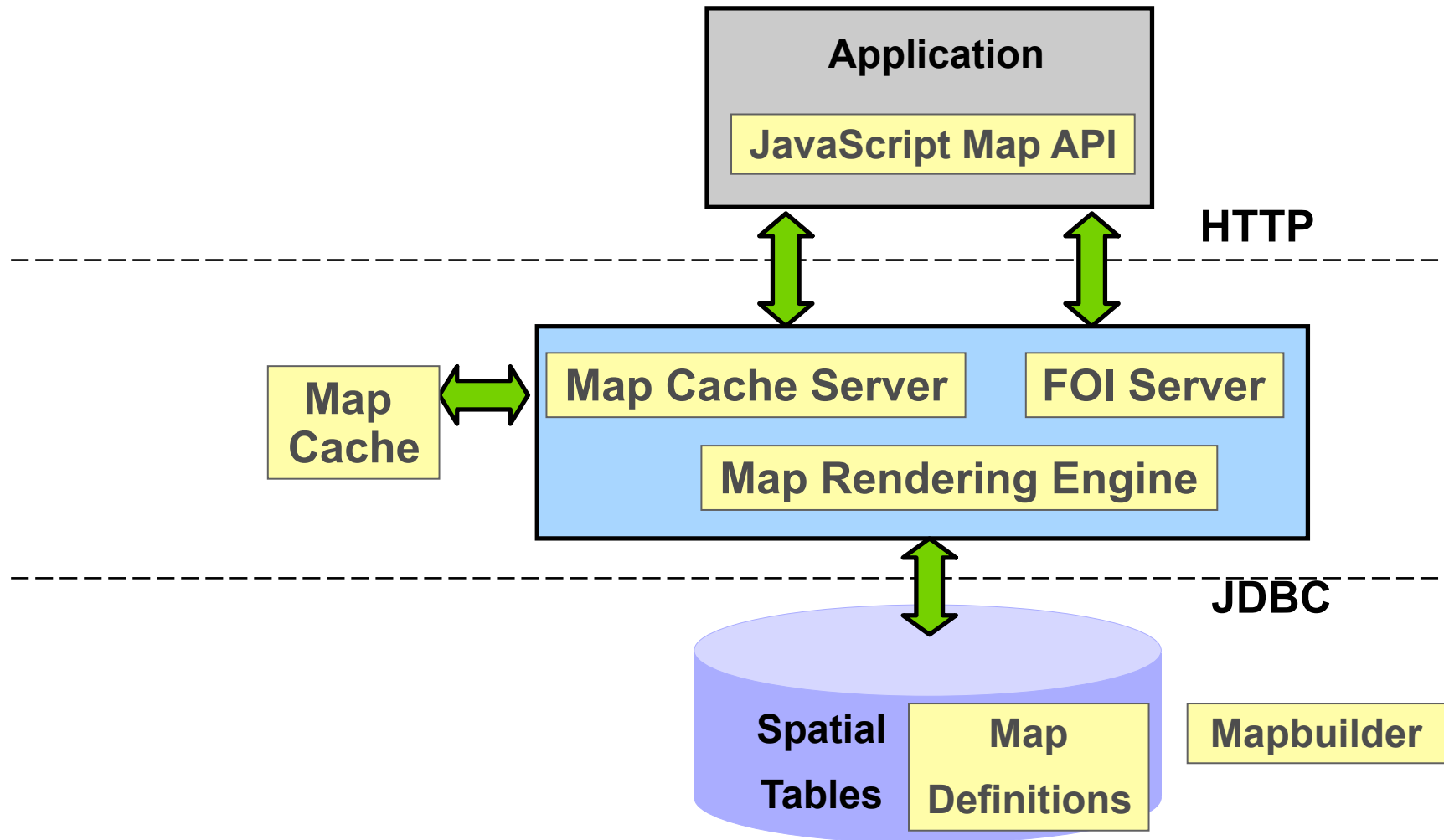
Auto Schedule Advise... Goto... Refresh More...

Record: 1/1 <OSC>

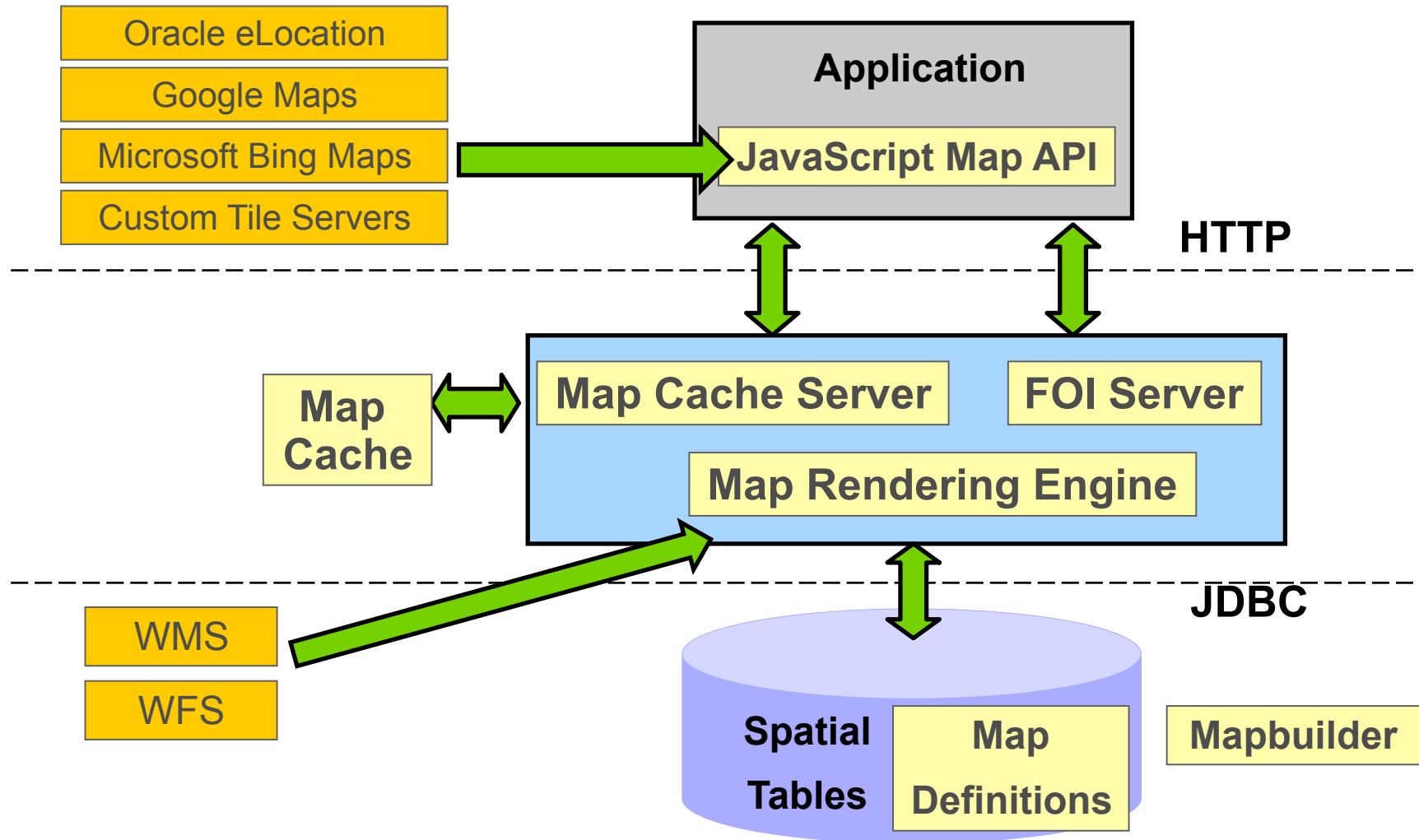
Warning: Apple Window

Geocoding
Spatial searches
Routing
Mapping

MapViewer Architecture

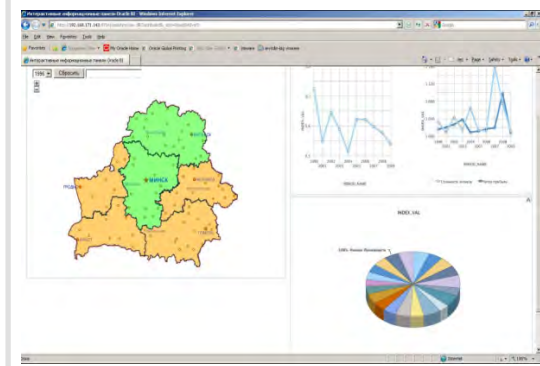


Integrating External Data Sources

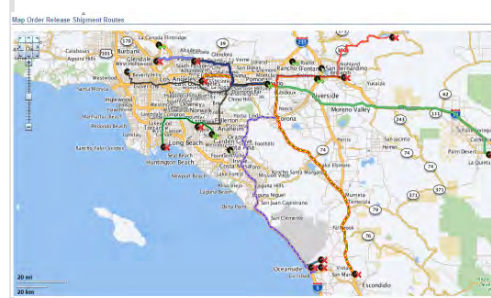


Spatially-Enabled Applications

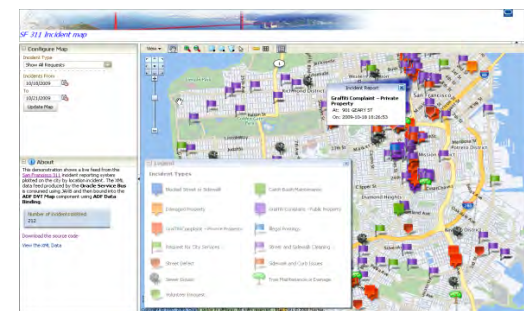
Oracle BI EE



Oracle Transportation Management



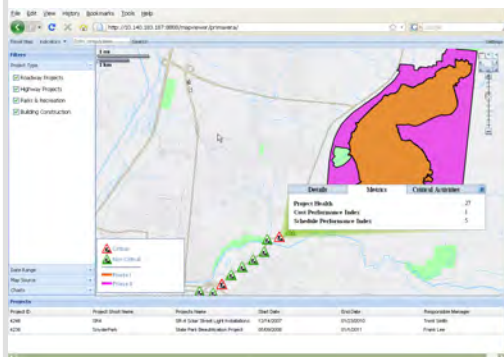
Phase Forward



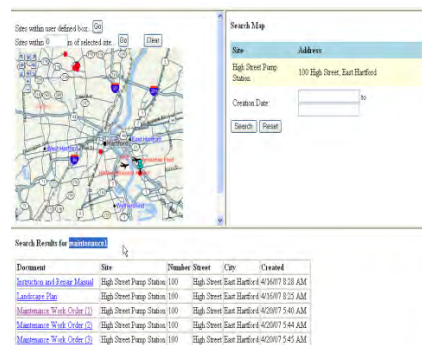
Mobile CRM



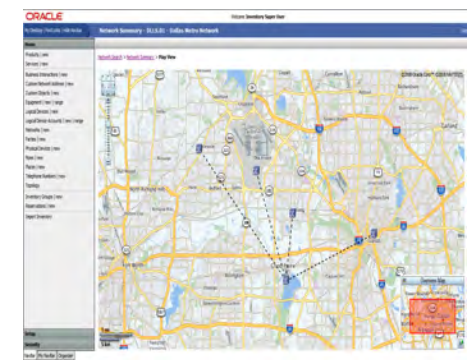
Primavera P6 Project Management



Oracle Universal Content Management



Oracle Communications UIM



Current Outage Dashboard

Dashboards - Answers - More Products - My Account - Log Out

Current Outage Summary

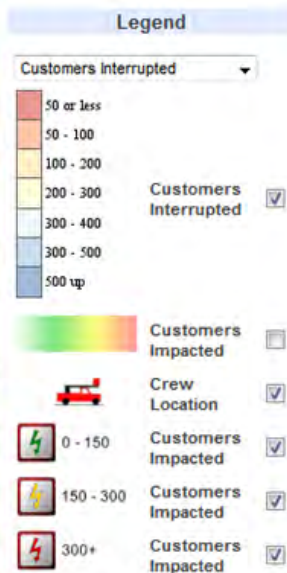
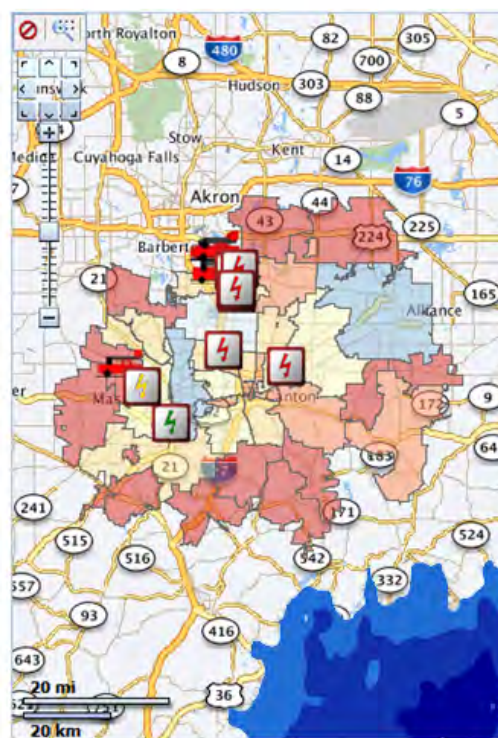
Hourly Playback

Page Options

Current Outage Summary

Company	Number of Events	Customers Interrupted	Customer Minutes Interrupted	Average Outage Duration	MAX(Est Rst Time)
OPAL	30	4044	6,463,944	4,869	7:45 PM 3/25/2010

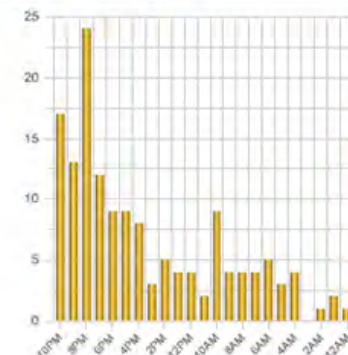
Company Region Branch Substation Feeder Go



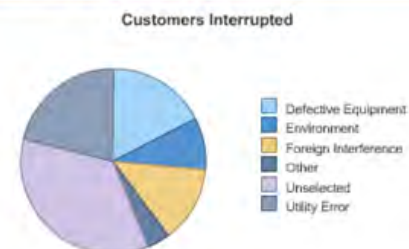
Summary by Hour



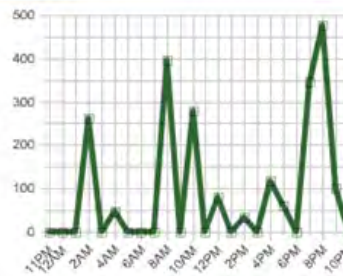
Call Summary by Hour

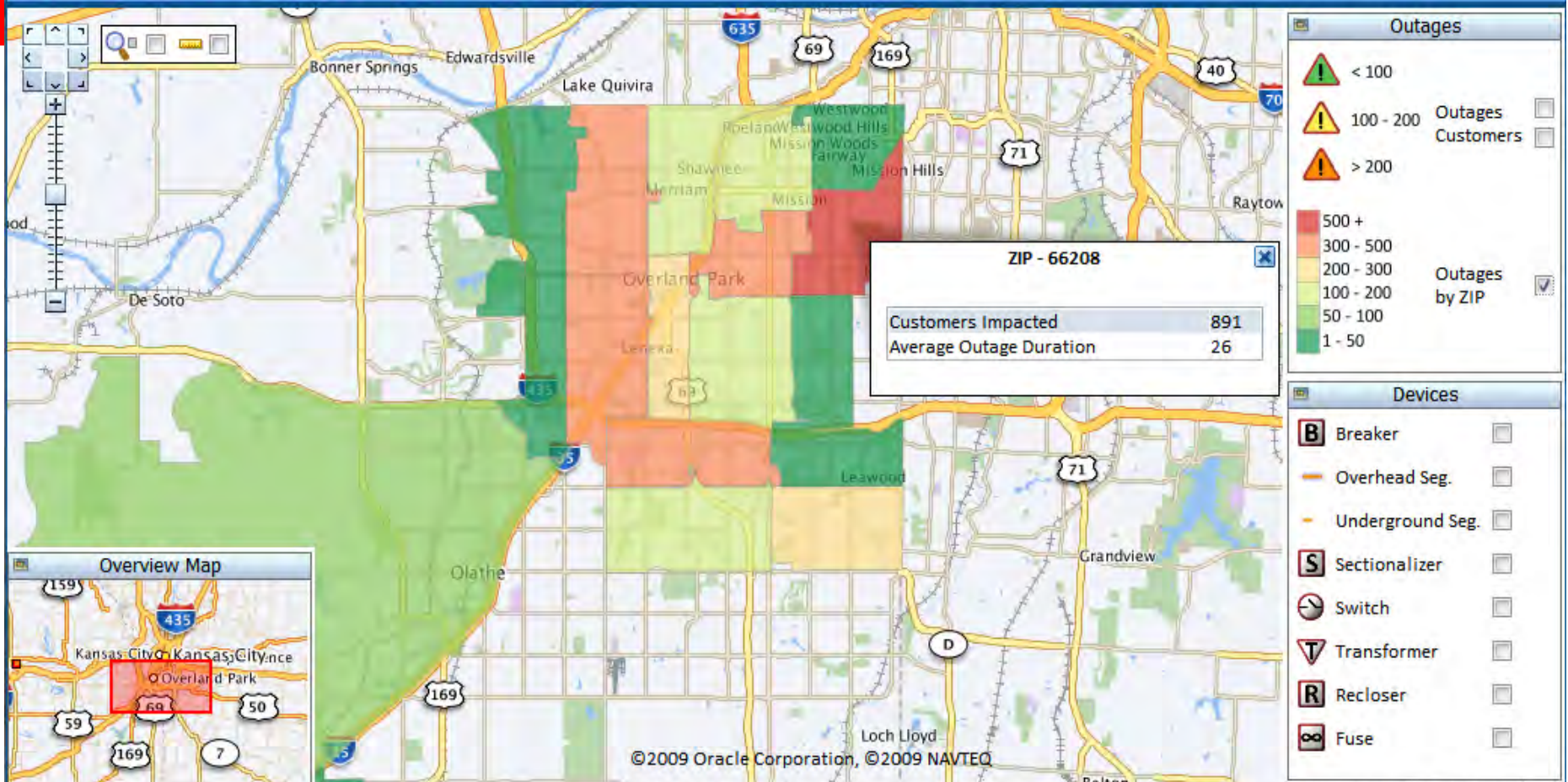


Customers Impacted by Cause



Customer ERT





Control Zone Name	Device Name	Device Type	Event State Description	Remedy	Outage Duration	Crew Assigned	Est. Rest. Time	Customers Impacted	Customers Impacted
(c)F&M 7961	UG_92D751 1000000542	att_ug_elec_line_seg	CMP	Reset Sectionalizer	29 minutes	Mobile Crew 8	30-AUG-08 05:43:12	1	1
(c)F&M 3711	xfm_oh_JO-7871	att_transformer	NFY	Unselected	0 minutes	***	31-AUG-08 05:32:51	0	0
(c)Dodson 7581	ELBOW_1024121_STR_75496	att_elbow	M-CMP	Temporary Jumpers	0 minutes	***	26-AUG-08 17:58:37	198	198

EPA Facilities

Welcome, EPA User!

Dashboards - Answers - More Products - My Account - Log Out

Environmental Protection

Year: 2003 County: 23031 Go

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



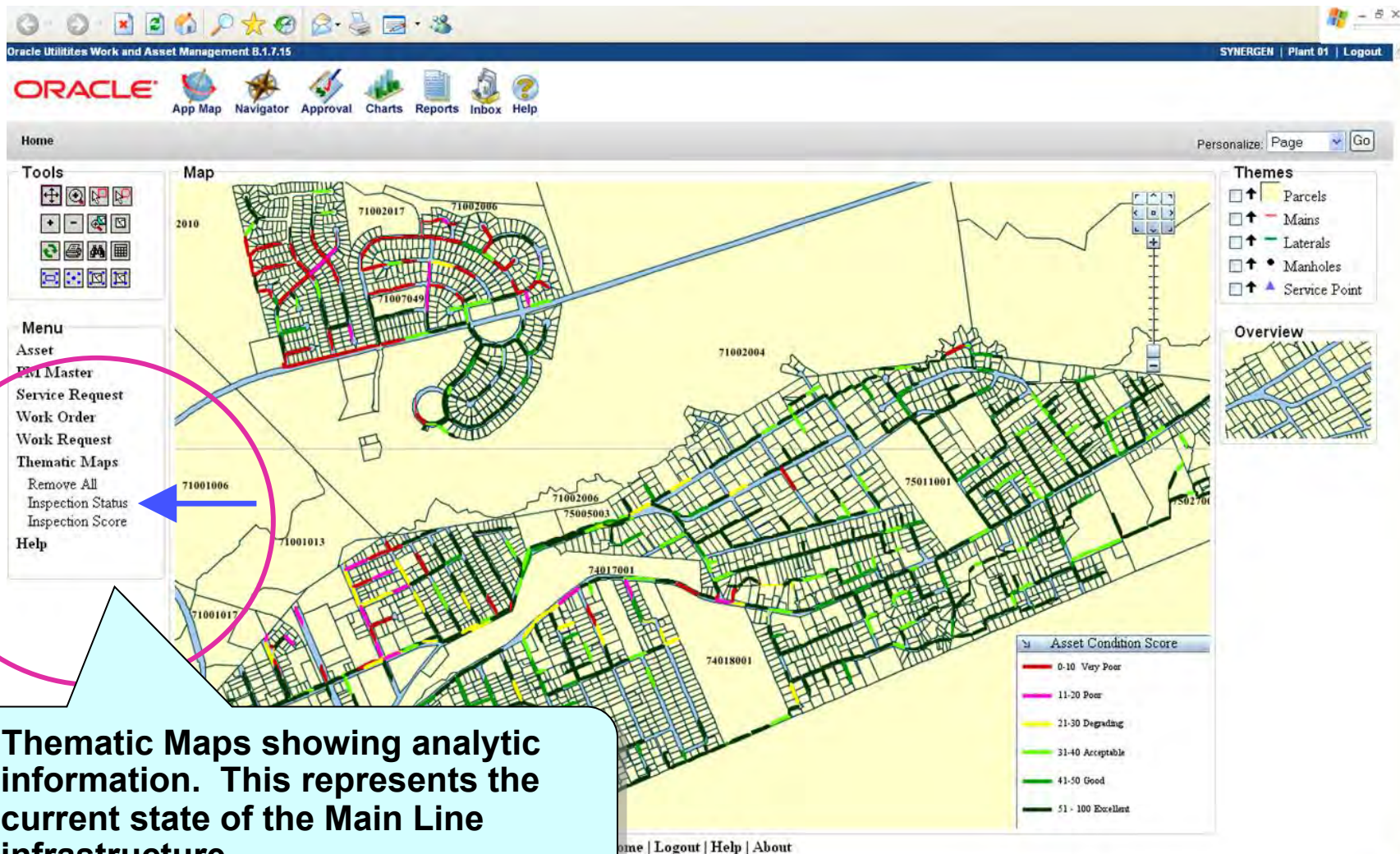
Clicking on a facility on the map opens a detail report for that facility.

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

Visualising the output from Asset Maintenance plan



Public Safety Dashboard

Welcome, Chief David Fuller!

Alerts! - Dashboards - Answers - More Products - My Account - Log Out

Filtered Map

Pin Map

Lasso Map

Crime Analysis Dashboard

Location Analysis

Person Search

Indicator Crimes

Arrests

Pie Charts

Page Options

Service Area

14

Arrest Dates

Between

1/1/2002 12:00

and

7/20/2004 12:00

Go

Map of Indicator Crime Arrests



Zoom to Longitude: -78.414 Latitude: 40.457 Go

Arrests within user defined radius Go

Arrests within 3000 ft of selected park Go

Clear

Arrest Details with Pie Chart Group

Arrest Count



Mug Shot	Arrest Key	Date Key	Full Name	Role Desc	Charge Num	Offense Desc
	101015	May 08, 2004	HECTOR CARNERO	Arrestee	1	OTHER STATE LAWS (NON PENAL LA
	100864	Aug 24, 2003	JESSICA GOODRIDGE	Arrestee	1	DISORDERLY CONDUCT
					2	DISORDERLY CONDUCT
	102864	Nov 24,	JESSICA GOODRIDGE	Arrestee	1	DISORDERLY CONDUCT

Done

Local intranet

100%

Tracking of Moving Objects

C:\my_data\p4\sandbox\cep\ocep103g\poc\leads\firecontrol\MapsFlexClient\bin-debug\MapsFlexClient - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address C:\my_data\p4\sandbox\cep\ocep103g\poc\leads\firecontrol\MapsFlexClient\bin-debug\MapsFlexClient.html

Refresh Mark

Oracle Complex Event Processing (CEP) - Location Tracking POC

ORACLE



Lat:53.4376 Lng:-2.9694

Map data ©2009 Tele Atlas - Terms of Use

Zones

Id	LastUpdated	Name	Pver	Gver	Sides	Lat	Lng
1	00-Jan 24:00:00	Everton	3	3	9	53.4392	-2.9673
2	00-Jan 24:00:00	This is Anfield	1	1	89	53.4317	-2.9609

Alerts

Resource	Zone	Type	EventId	LocationEvent
B	1	NEAR	2	4
A	1	NEAR	1	3

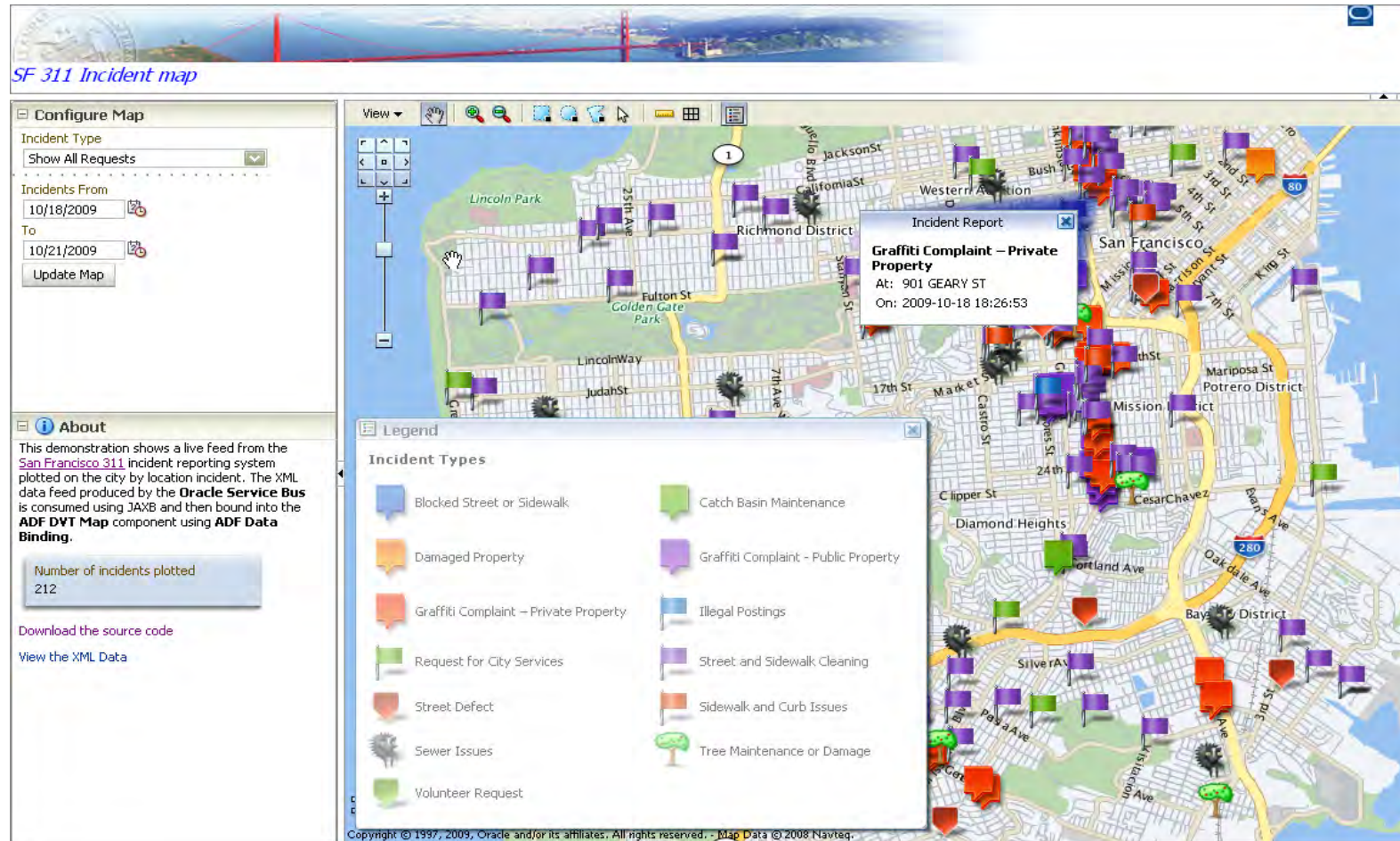
Matches

Resource	Zone	Type	EventId	LocationEvent
B	1	NEAR	2	4
A	1	NEAR	1	3

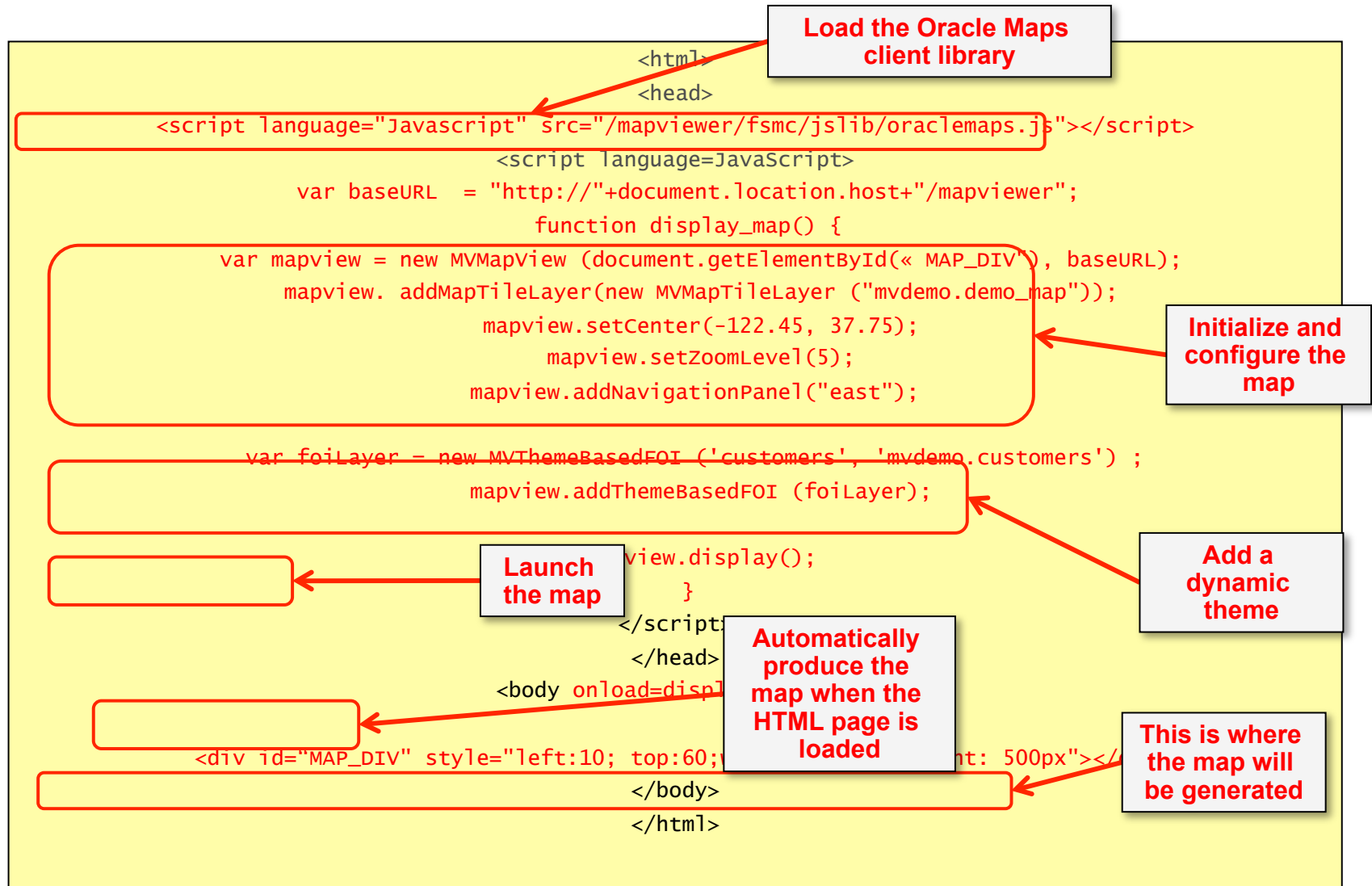
Resource Events

Id	ExtTime	IntTime	EventId	Lat	Lng
C	00-Jan 24:00	15-Jan 20:46	5	53.4376	-2.9694
B	00-Jan 24:00	15-Jan 20:46	4	53.4395	-2.9668
A	00-Jan 24:00	15-Jan 20:46	3	53.4383	-2.9651
A	00-Jan 24:00	15-Jan 20:46	2	53.4382	-2.9634
B	00-Jan 24:00	15-Jan 20:46	1	53.4389	-2.9701

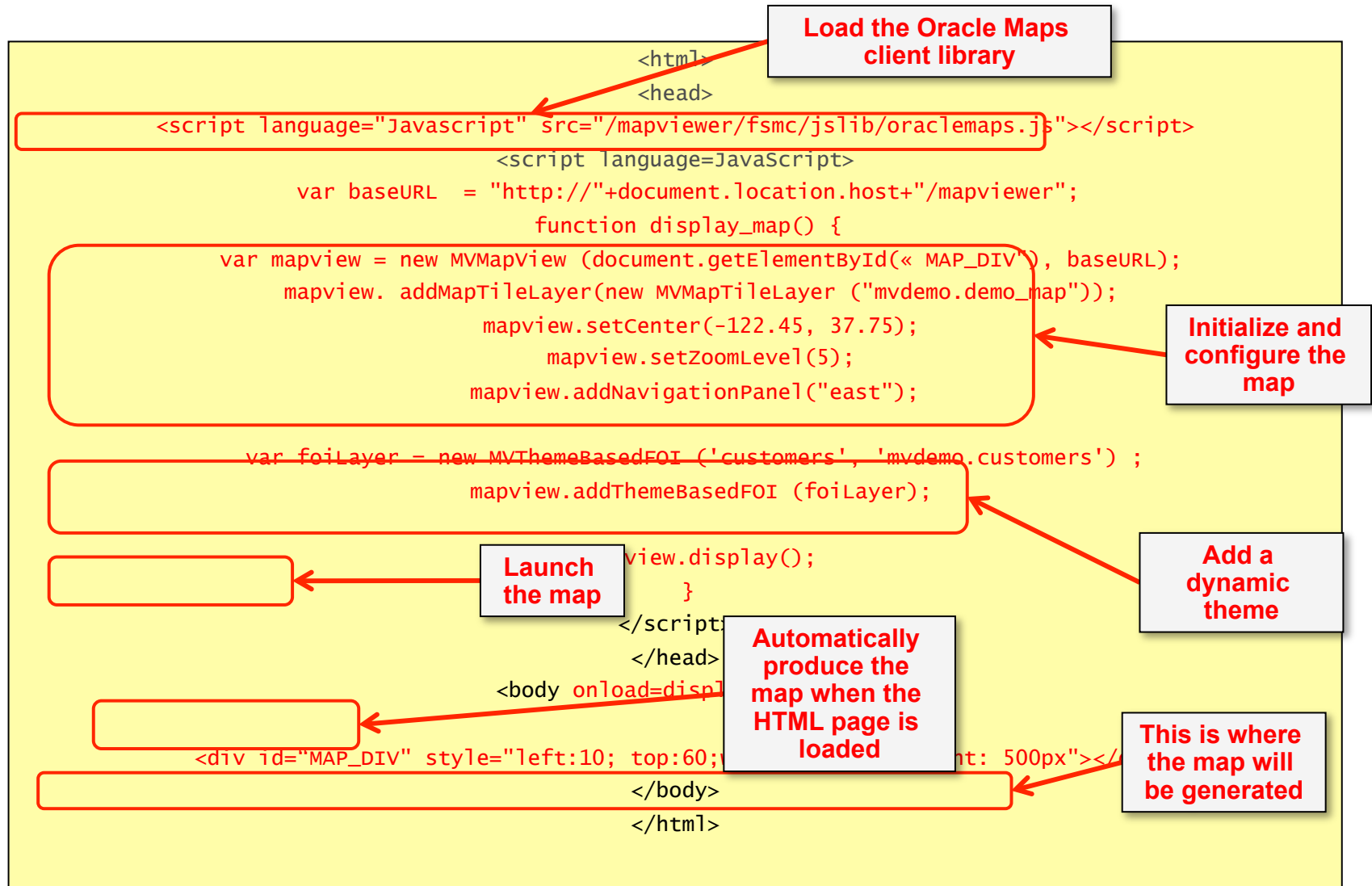
Develop Applications with Java IDE



Oracle Maps: the Javascript API



Oracle Maps: the Javascript API



Fully Functional Tutorials

Tutorial: Learning Oracle Maps by Example

Introduction

- Getting started
- What's in a map
- Demo setup
- Running the demos

Oracle Maps is a new feature of Oracle Application Server MapViewer. First appeared in version 10.1.3.1, Oracle Maps introduces a powerful AJAX web mapping interface to MapViewer's core visualization capabilities. Oracle Maps provides high performance google-style map display by caching previously rendered map tiles on the server. It also supports interactive Feature of Interest (FOI) layers that are based on database queries against Oracle Spatial. An FOI is a map feature that responds to mouse roll-over with an info-tip window displaying its properties.

Oracle Maps also supports other unique features such as red-lining, marquee zoom, thematic mapping, collapsible map decoration pieces inside the main map (legend, birds-eye-view etc), and easy integration with 3rd party WMS services and other types of map providers. All of these features are exposed through an open JavaScript API. In this tutorial you will learn and quickly get up to speed with this API.

View the [Online Oracle Maps API Reference](#) here.

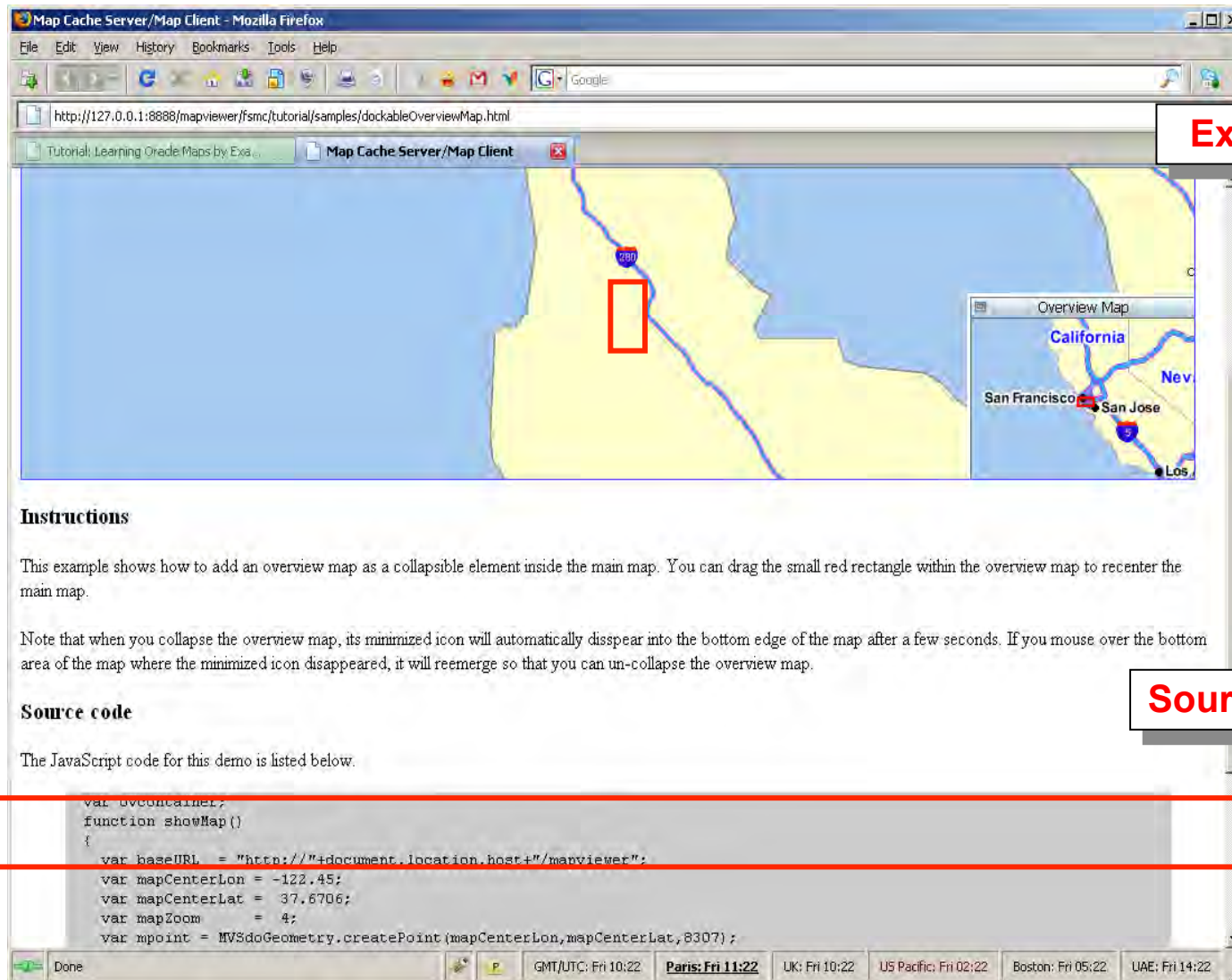
For feedbacks and bug reports, please use the [Spatial/MapViewer discussion forum](#) on OTN.



Done

GMT/UTC: Fri 10:19 Paris: Fri 11:19 UK: Fri 10:19 US Pacific: Fri 02:19 Boston: Fri 05:19 UAE: Fri 14:19

Fully Functional Tutorials



Example

Instructions

This example shows how to add an overview map as a collapsible element inside the main map. You can drag the small red rectangle within the overview map to recenter the main map.

Note that when you collapse the overview map, its minimized icon will automatically disappear into the bottom edge of the map after a few seconds. If you mouse over the bottom area of the map where the minimized icon disappeared, it will reemerge so that you can un-collapse the overview map.

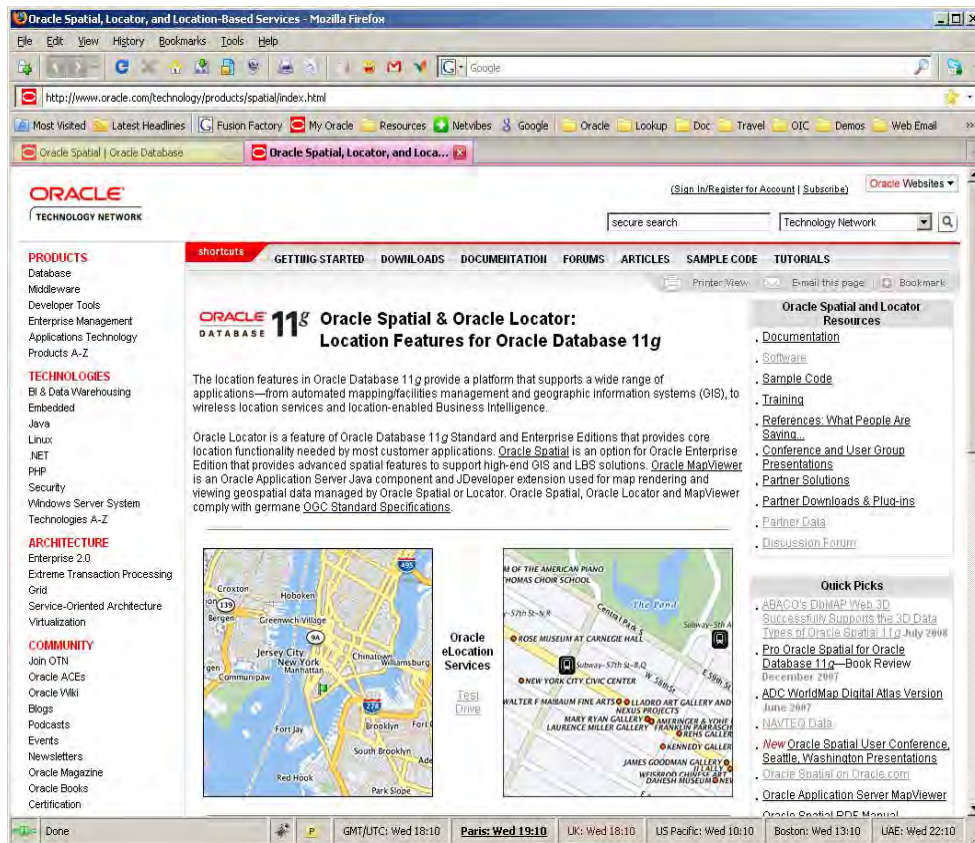
Source code

The JavaScript code for this demo is listed below.

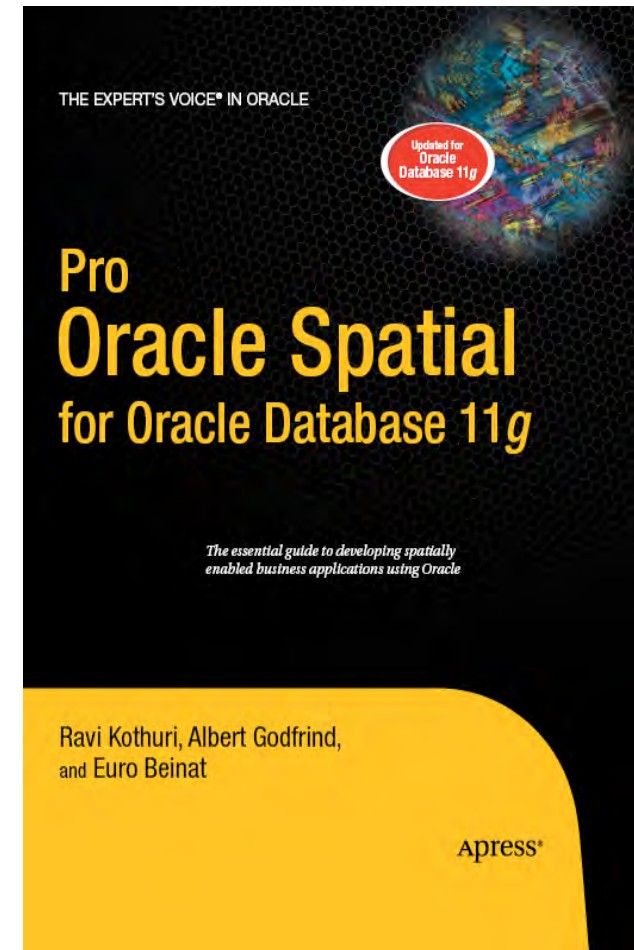
```
var ovcontainer;  
function showMap()  
{  
    var baseUrl = "http://" + document.location.host + "/mapviewer";  
    var mapCenterLon = -122.45;  
    var mapCenterLat = 37.6706;  
    var mapZoom = 4;  
    var mpoint = MVSdoGeometry.createPoint(mapCenterLon, mapCenterLat, 8307);
```

Resources

<http://www.oracle.com/technetwork/database/options/spatial>



Examples, white papers, downloads, discussion forum, sample data



ORACLE®

Demonstration

Select Base Map

Oracle Elocation

Select Themes

☐ Regions ☒ POIs

Select: [All](#) [None](#)

☒ Auto Refresh

Refresh

Filters

Category:

Cuisine:

Show All

Enter Address

Go Clear

BERTRAM ROTA

POI Id: 546193330
Name: BERTRAM ROTA
Type: SHOP
Category: BOOKSTORE
Street: LONG ACRE
House: 31
Postal Code: WC2E 9
Telephone: +(44)-20-78360723
Country: GBR

[Update](#) [Delete](#) [Search Around](#)

POIs: 79

- [1005279343](#) GREENSMITHS FOOD CO
- [995182216](#) MICHAEL FARADAY PRIMARY SCHOOL
- [1005270213](#) OVAL LOCAL EXPRESS
- [546204998](#) HAMILTON & PALMER COACHWORKS
- [1001078860](#) MARKIMELD
- [1005272884](#) PRESCO FOOD & WINE
- [995191648](#) DURAND PRIMARY SCHOOL
- [1010734678](#) MCDONALD'S
- [995074683](#) MORRISONS
- [2000000002](#) ACCIDENT 1
- [18023292](#) KINGS COLLEGE SCH. MED. DENTISTRY
- [546180833](#) LA LANTERNA
- [546218576](#) INDEX GLEN PROPERTIES
- [546185817](#) QUADRATECH
- [18042620](#) SHELL
- [1001087999](#) ANGLO OFFICE GROUP
- [546203080](#) EUSTON CAFE
- [546177092](#) HAKKASAN
- [546193330](#) BERTRAM ROTA
- [1005281152](#) OPUS
- [1001068454](#) SIMONS J
- [546213509](#) SAN FRANCISCO
- [546205601](#) INSTITUTE OF CHILD HEALTH

Mouse location: -21580.177 6667942.17 Zoom level: 11 SRID: 54004
[Print Map](#) [View Map](#) [PDF](#) [Show XML Map Request](#) [Bookmark](#)

