

City of Fairfield GIS Management Portal Implementation



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Today's Goals

- Present City of Fairfield's Enterprise GIS
- Define Portals and their Relationship to GI
- Review Fairfield's GIS Management Portal



City Of Fairfield




- Solano County, CA (between San Francisco and Sacramento)
- Population: 130,000
- Home to:
 - Travis Air Force Base 
 - Jelly Bellies
 - Budweiser
 - Guitard Chocolate
- Fast growing city
- Provide police, fire, water, and sewer serv



City Of Fairfield Configuration



- ArcSDE on SQL Server
- ArcIMS Intranet and Internet Applications
 - Megan's Law
 - Economic Development
 - Property Review
 - Property Notification 
 - Web Service for Assessor Data
- Integration with Enterprise Applications
 - Computer Maintenance Management System (CMMS)
 - Pavement Management System (PMS)
 - Motorola CAD



City Of Fairfield Configuration



- GIS Steering Committee
 - City Manager
 - Finance
 - Public Works
 - Planning
 - Information Technology
 - Police
 - Fire
- Regional Collaboration
 - Solano County
 - Fairfield-Suisun Sanitation District

Keys to a Successful GIS at the City Of Fairfield



- Departmental Buy-In
 - GIS is too big for one department alone
 - Collaborate with other departments
 - Provide enterprise wide layers and application
- Upper Management Buy-In
 - Support of City Manager and Council
 - Better access to funding and resources
 - New staff positions

Keys to a Successful GIS at the City Of Fairfield



- IT Participation
 - IT participation is vital to a project like this
 - Able to leverage the GIS investment across the whole enterprise
 - Managing security, integrating GIS using SDE or ArcObjects with other applications
- Vendor Assistance
 - Getting the right help from Farallon
 - Getting support from ESRI

Keys to a Successful GIS at the City Of Fairfield



- Killer Application

- Something very simple but can be used by all departments.
- Identified this as the web Portal for parcel and address notification lookups.
- All the departments could use immediately to solve a real problem.
- This application needed to be a thin client app which would be easier to deploy and manage.
- Solution resides on the City's Internal Intranet and is available immediately to the whole enterprise.



Portal Defined



From DICTIONARY.COM:

- An entrance or a means of entrance: the local library, a portal of knowledge.
- A website considered as an entry point to other websites, often by being or providing access to a search engine.



GIS Management Portal



- Central web-based repository for:
 - Metadata
 - Standards
 - Resources
 - GIS Web based Applications
- Collaboration environment:
 - A shared interface for County employees across all departments.
 - Consolidates county-wide information about spatial data and assets
 - A platform for cross-department communication



Portal Components

Farallon GIS Management Portal




City of Fairfield, California - Microsoft Internet Explorer

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Address http://m2-reloaded/fairfield_gisportal/



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Welcome To The City Of Fairfield

Land Information Systems (LIS) Portal

The City of Fairfield has a large and growing library of GIS data and a variety of web-based mapping applications. The LIS portal consolidates information about the City's geospatial assets. Use the links below to access web-mapping application, data standards, GIS layer metadata, and available resources.

Applications:
Links to and descriptions of web-based mapping applications.

- Property Review
- Notification
- Fairfield Properties Online
- Megan's Law Mapping

GIS Announcements

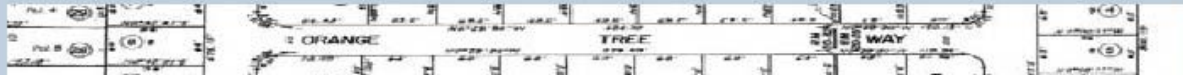
First Wed of Every Month - Next GIS Core Team Monthly Meeting.

7/25/2005 - Annual ESRI User Conference.

Metadata
Get more detailed information about the available Fairfield data layers such as parcels, streets, and aerial photography. Metadata includes data source, date collected, accuracy, currency and many other descriptive attributes.

Resources
Get contact information for GIS personnel, submit suggestions/comments, and report problems.

Standards
Access to Data, Organizational, Software and Workflow Standards used by the City of Fairfield.



- Applications
- Metadata
- Resources
- Standards





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Property Review:



Property Owner

Owner Name:	TOOBY GLADYS MARY TR
Owner Address:	62 WILLOTTA DR SUISUN CA 94585
APN:	0034102100

Property Address

Situs Address:	535 APPLE TREE LN Fairfield 94533
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Physical Characteristics

Census Block:	2526.050
Lot Size (Sq ft):	9147
Lot Size (Acres):	0
Business Name:	
Subdivision:	TABOR PARK
Subdivision Unit No:	1
Number of Units:	0

Assessment Information

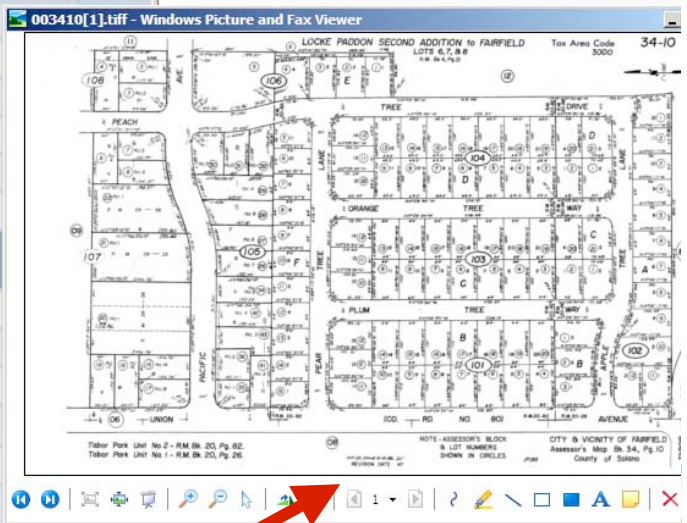
Use Code:	1000
Tax Rate (TAC):	003000
Land Value:	\$29659
Improvements Value:	\$51091
Trees/Vines Value:	\$0
Personal Property Value:	\$0
Fixed Property Value:	\$0

Related Documents

Assessor Map: [Search Solano County Records](#)

Property Review

Assessor
Web Serv





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SELECTED PROPERTY
Situs: 535 APPLE TREE LN, Fairfield
Owner: TOOBY GLADYS MARY TR, 62 WILLOTTA DR, SUISUN CA, 94585
APN: 0034102100



New Notification Create Spreadsheet Mail Merge Help Property Details Printable Page



Proper Notify

(ROI for many depart)

MS Exce
Mailing L



Metadata



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Metadata:

The City of Fairfield GIS strives to provide its citizens and employees with timely and accurate information from many sources, including attribute and spatial databases managed by Public Works, Planning, Information Services, Sheriff, Fire and other departments. In order to provide the best possible product to internal and external clients, the City maintains a spatial data Metadata Catalog. Metadata or "data about data" describe the content, quality, condition, and other characteristics of data. The purpose of the spatial data Metadata Catalog is to provide spatial data users easy access to information about the data they are using. Please email the [GIS Coordinator](#) any comments, questions, or updates concerning this metadata catalog.

Water					
Layer Name	Layer Description	Data Type	Last Updated	Layer Contact	Metadata
W_LINES	Water sewer lines	Line	7/22/04	GIS Coordinator	Show all
W_FIREHYDRANTS	Fire hydrants	Point	7/22/04	GIS Coordinator	Show all
W_MANHOLES	Water system manholes	Point	7/22/04	GIS Coordinator	Show all
W_VALVES	Water system valves	Point	7/22/04	GIS Coordinator	Show all
W_BLOWOFFS	Water system blowoff valves	Point	7/22/04	GIS Coordinator	Show all

Sewer					
Layer Name	Layer Description	Data Type	Last Updated	Layer Contact	Metadata
SS_LINES	Sewer system lines	Line	7/22/04	GIS Coordinator	Show all
SS_MANHOLES	Sewer system manholes	Point	7/22/04	GIS Coordinator	Show all
SUISUN_LINES	Suisun sewer system lines	Line	7/22/04	GIS Coordinator	Show all

http://prodweb01/fairfield/Metadata/w_lines.htm - Microsoft Internet Explorer

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W_LINES

Personal GeoDatabase Feature Class

Description Spatial Attributes

Horizontal coordinate system
 Projected coordinate system name: NAD_1983_StatePlane_California_II_FIPS_04
 Geographic coordinate system name: GCS_North_American_1983

Details

Map Projection Name: Lambert Conformal Conic
 Standard Parallel: 38.333333
 Standard Paralle: 39.833333
 Longitude of Central Meridian: -122.000000
 Latitude of Projection Origin: 37.666667
 False Easting: 6561679.790026
 False Northing: 1640419.947507

Planar Coordinate Information
 Planar Distance Units: international feet
 Coordinate Encoding Method: coordinate pair
Coordinate Representation
 Abscissa Resolution: 0.000045
 Ordinate Resolution: 0.000045

Geodetic Model
 Horizontal Datum Name: North American Datum of 1983
 Ellipsoid Name: Geodetic Reference System 80
 Semi-major Axis: 6378137.000000
 Denominator of Flattening Ratio: 298.257222

Bounding coordinates
 Horizontal

SDI Portal Functions



Standards



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Standards:

In order to preserve and maintain the high quality of the City of Fairfield's GIS, the GIS Staff has developed a set of standards outlining such topics as data maintenance, software platforms, and training. If you have questions, comments, or changes to any standard please contact the owner listed at the top of each standards document. Standards are organized under the following four headings

Data Standards

Data standards define data types, formats, accuracy, coordinate systems and other information related to data in the City of Fairfield's GIS library.

Organizational Standards

Personnel standards outline management responsibilities, user rolls, and job type descriptions.

Software Standards

Software standards define both GIS/Database application management and installation procedures as well as application development practices for custom GIS application development.

Workflow Standards

Workflow standards define the procedures for managing specific GIS tasks. These standards address both everyday tasks and more complicated tasks like incorporating new GIS data.



Resources

- GIS Contacts
- User Groups
- Help Desk
- Trouble Reporting
- Related Links

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	Pritchard	Works	
GIS Portal webmaster	Shakeel Ajam	Information Services	sajam@ci.fairfield.ca
Parcel Maintenance	Jamie Sabile	Public Works	jsabile@ci.fairfield.ca
Desktop GIS support	Help Desk	Information Services	707-428-7530
Assessor data issues	Shakeel Ajam	Information Services	sajam@ci.fairfield.ca

GIS Management Team

The following people are responsible for the development and oversight of the GIS.

GIS MANAGEMENT TEAM	
• Project Sponsor: Laura Peabody, email: lpeabody@ci.fairfield.ca.us	
• GIS Coordinator: Shakeel Ajam, email: sajam@ci.fairfield.ca.us	
• Public Works Lead: Gene Cortright, email: gcortright@ci.fairfield.ca.us	
• Public Works Infrastructure Lead: Jim Pritchard, email: jpritchard@ci.fairfield.ca.us	
• Fairfield-Suisun Sewer District GIS Coordinator: Nellie Dimalanta, email: ndimalanta@fsd.org	
• Enterprise GIS Consultant: Charlie Crocker, email: ccrocker@farqeo.com	

Online Resources (Links)

- [City of Fairfield Home Page](#)
- [Solano County Home Page](#)
- [ESRI Home Page](#)
- [Farallon Geographics Home Page](#)
- [Suisun City Home Page](#)
- [Vacaville Home Page](#)
- [Travis AFB Home Page](#)

Help Desk

Please contact the Help Desk at phone number 707-428-7530 for any problems using the online applications at this site, or problems you are having with the desktop applications (this includes connections to the GIS enterprise database). Please provide the help desk with as much information possible concerning your problem.

Email Comments

Please contact the [GIS Coordinator](#) if you have any comments or questions about this web site, online GIS applications, or GIS usage within the City of Fairfield. We will attempt to provide a response as soon as possible.

Farallon GIS Management Portal



Solves common GIS collaboration issues

- Data located in several departments and in a variety of formats and usability
- Inconsistent and redundant data management workflows
- Difficult to identify personnel and resources required to get data or access applications
- Lack of cross-departmental interaction (left hand does not know what right hand is doing)



Next Steps



- Explore how portals can save you time and money
- Visit existing SDI portals to see all the great resources available to you
- Consider whether a portal could be a catalyst for collaboration



Why Use Portals?



- Collaboration between jurisdictions and/or departments
- Consolidation of data from both internal and external sources independent of platform
- Consolidate applications or pieces of applications (portlets)
- Enables the “who and where” for web application
- User authentication and security
- Provide easy customization for regional or departmental participants



About Farallon



- Designs, builds, and implements enterprise geodatabases on Oracle and SQL Server Platforms
- Integrate GIS/IT Systems
- GIS and Geo-spatial Data Experts
- Web Application Developers
- ESRI, Intergraph, Mapinfo, and Autodesk
- Focus on Interoperability
- Played a key role in City of Fairfield Enterprise Implementation and continuing maintenance





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