

Add text and shapefile and edit their layer properties into ArcGIS.com

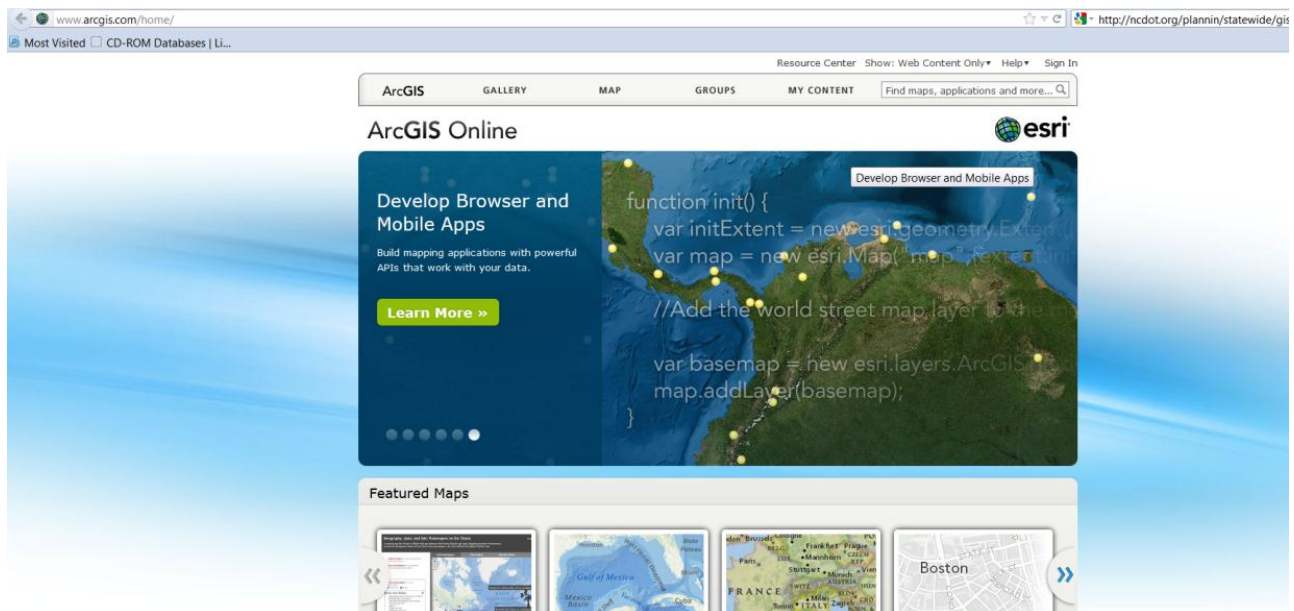
With the latest release of ArcGIS.com, you can add a layer to your map that was stored in a delimited text file (.txt or .csv), a GPS Exchange Format file (.gpx), or a shapefile (compressed into a .zip). Once the layer is in ArcGIS.com, you can edit the layer properties. For example, you can configure pop-up windows, change symbols, set visibility range, and enable editing.

This tutorial shows you how to add a CSV and shapefile into ArcGIS.com, edit their layer properties and create and share an interactive map. Both files can be downloaded from the City of Vancouver data open website (<http://data.vancouver.ca/>). Details on how to download the files used are available in the appendix.

Sign in ArcGIS.com

1. Open up ArcGIS.com.

Open a new internet browser and enter this address (<http://www.arcgis.com/home/>) in the address bar. When you see a webpage shown below, click *Sign In*.



2. Sign in ArcGIS.com with your Esri Global Account

If you are the first time user, you will need to click 'Create an account' and then follow the website's step by step instructions to create one. Once you sign in, you will notice that your first and last name appear and the 'Sign In' changed to 'Sign Out'.

arcgis.com https://www.arcgis.com/home/createaccount.html

Resource Center Show: Web Content Only Katherine Frankovich Notifications Help Sign Out

ArcGIS GALLERY MAP GROUPS MY CONTENT Find maps, applications

Create A New Account

Complete the form below to create an account.

Username
 Password
 Confirm Password

First Name
 Last Name
 Organization
 E-mail
 Confirm E-mail
 Phone Number

The following question and answer will help validate your identity in the event you forget your password.

Identity Question Select a question for password recovery.
 Answer

Terms of Use

Esri.com | Terms of Use | Privacy | Contact Us | Report Abuse

Download Shapefiles from City of Vancouver's Open Data Catalogue

3. Open the City of Vancouver's Open Data Catalogue

Open (<http://data.vancouver.ca/>) with an internet browser (IE or Firefox). You will see a webpage shown below.

City of Vancouver

Open Data Catalogue Beta v2

Residents Business Visitors Jobs with the City Services Departments City Projects Pay & Purchase Online

Open data home
 Get the data
 Data catalogue
 City web feeds
 About the data
 Data formats
 Data updates
 Terms of use
 Feedback

Collaborative Cities
 The Cities of Vancouver, Edmonton, Ottawa and Toronto have recently joined forces to collaborate on an "Open Data Framework". The project aims to enhance current open data initiatives in the areas of data standards and terms of use agreements. Please contact us for further information.

Updates
Council Expenses 2011 - Quarter 4 Data
 March 22, 2012
 Further to the initial release of Council Expenses data in April 2011, the City has just added Year 2011 - Quarter 4 expense data to the dataset. This dataset provides expenses that each Council member has incurred while conducting business on behalf of the City. Summary information is available for years 2002 - 2009 and detailed expense transactions are available starting in year 2010. For more information, visit the Council expenses page on Open Data catalogue. This dataset will be updated quarterly from now on.
 Please feel free to provide us with feedback on this or any other aspect of the Open Data website on our feedback page. As always, your use of the data available from this site is governed by the City's Terms of Use and by downloading the data, you are agreeing to be bound by these Terms of Use.

Vancouver Street Trees
 January 24, 2012
 We have just added Vancouver Street Trees to the City's Open Data catalogue. This dataset includes a listing of all public trees on boulevards in the City of Vancouver and provides tree location, species and other characteristics. Park trees and private trees are not included in the inventory.
 The data is available in Excel (.xls), Comma Separated Value (.csv), XML and JSON formats and is updated on a weekly basis.
 Please feel free to provide us with feedback on this or any other aspect of the Open Data website on our feedback page. As always, your use of the data available from this site is governed by the City's Terms of Use and by downloading the data, you are agreeing to be bound by these Terms of Use.

Council Expenses 2011 - Quarter 3 Data
 January 17, 2012

Give us your feedback
 Which data items would you still like to see added to the City's Open Data site? Fill out the survey.
 See the feedback form
Open Data updates
 Receive updates on developments related to this site.
 Subscribe to the RSS feed
 Subscribe to the mailing list
 Open Data update history
Connect with the Community
 Community developers have created a wiki and discussion group to share application ideas and discuss datasets.
 Vancouver Open Data Wiki
 Discussion Group
 Please note: These community sites are not affiliated with the City of Vancouver.
Background
 City Council Motion: Open Data, Open Standards and Open Source (PDF) 22 KB

4. Open the open data catalogue by clicking 'Data catalogue'

You will see a page as shown below. Each dataset usually has more than one file format.

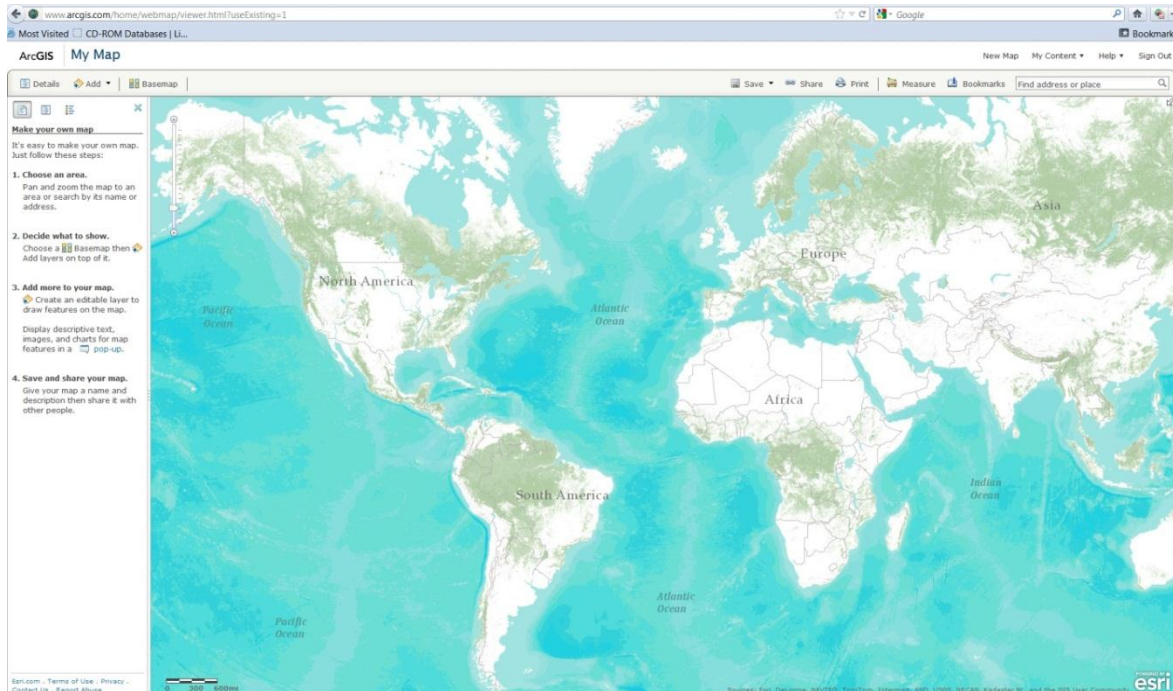
Download the city boundary layer as shapefile format and the fire halls layer in CSV format.

The screenshot shows the 'Open Data Catalogue Beta v2' website for the City of Vancouver. The page features a navigation menu at the top with links for Residents, Business, Visitors, Jobs with the City, Services, Departments, City Projects, and Pay & Purchase Online. The main content area is titled 'Data catalogue' and includes a search bar and a list of datasets. The datasets are organized into sections: '0 - 9', 'A', and 'B'. Each dataset row includes a 'Name & Information about Data' column and columns for various file formats: CSV, XLS, DWG, KML, SHP, ECW, Other Formats, Google Maps, and Bing Map. A 'Google Chrome' warning box is present on the left side of the page, stating that Google Chrome does not currently support FTP download access and suggesting alternative browsers like Firefox or Windows Internet Explorer.

Name & Information about Data	CSV	XLS	DWG	KML	SHP	ECW	Other Formats	Google Maps	Bing Map
0 - 9									
3-1-1	✓	✓							
A									
Address labels for map display			✓	✓	✓				
Alleyways			✓	✓	✓			G	b
Animal Inventory - Deceased Animals	✓	✓					✓XML ✓JSON		
Animal Inventory - Lost & Found	✓	✓					✓XML ✓JSON		
Animal Inventory - Register	✓	✓					✓XML ✓JSON		
Apartment recycling schedule zones			✓						
Art									
B									
Bikeways			✓	✓	✓			G	b
Block numbers			✓	✓	✓			G	b
Bike lane stats (2009 & 2010) - Burrard Bridge		✓							
Bike lane stats - Hornby & Dunsmuir (including Burrard Bridge)		✓							
Block outlines			✓	✓	✓				
Building Footprints 1999			✓	✓	✓			G	b
Business improvement areas (BIA)			✓	✓	✓			G	b
Business licence	✓	✓					✓XML		

5. Go back to ArcGIS.com and pen their map viewer

Click *Map* to display a view like below.

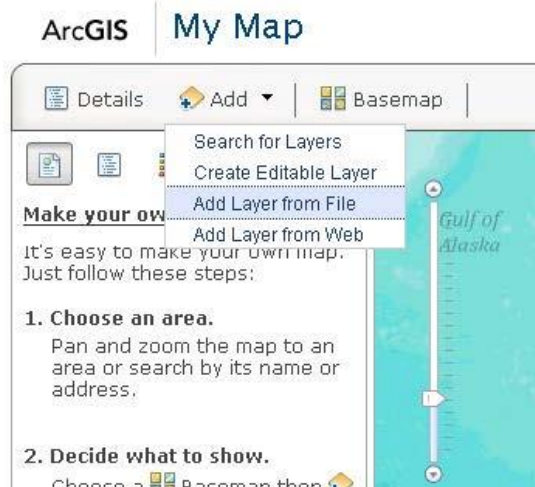


Import a Shapefile into ArcGIS.com

You are going to import a shapefile into ArcGIS.com. The shapefile, generally fewer than 1,000 features, has to be compressed into a zip file which is directly stored in the root of the .zip archive.

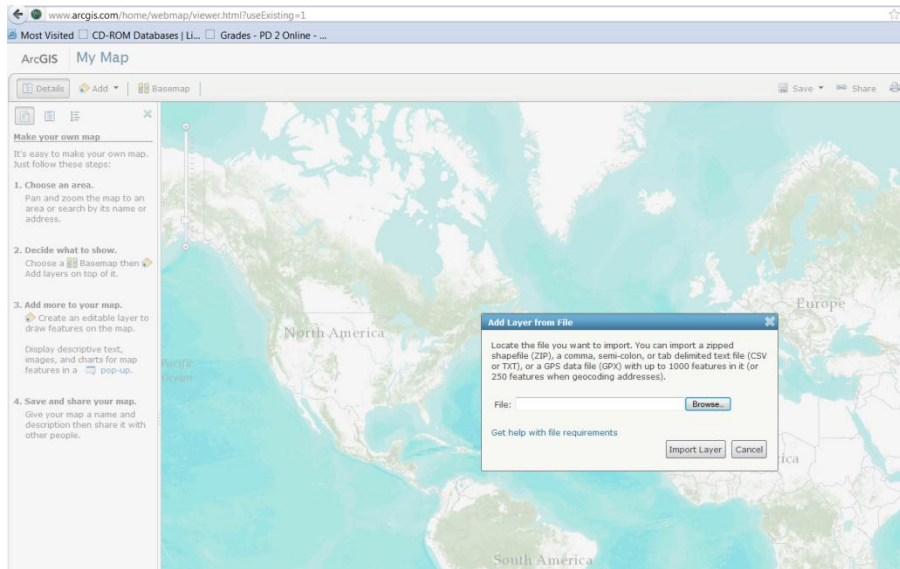
6. Add a shapefile to your map

Click 'Add' button and then choose 'Add Layer from File'.

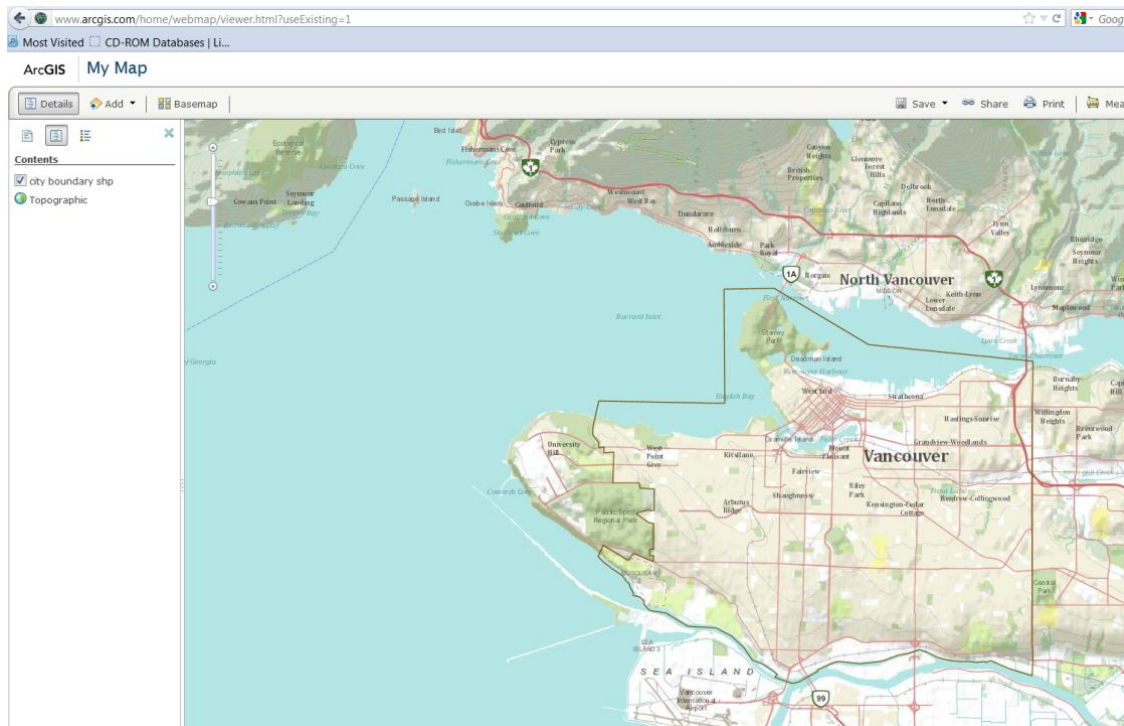


7. Locate the shapefile to import

Browse your computer to the folder where the shapefile (zip file) is located and click 'Import Layer'.



When you see an image similar to the one shown below, that means the boundary shapefile has been added into ArcGIS.com as a new layer.

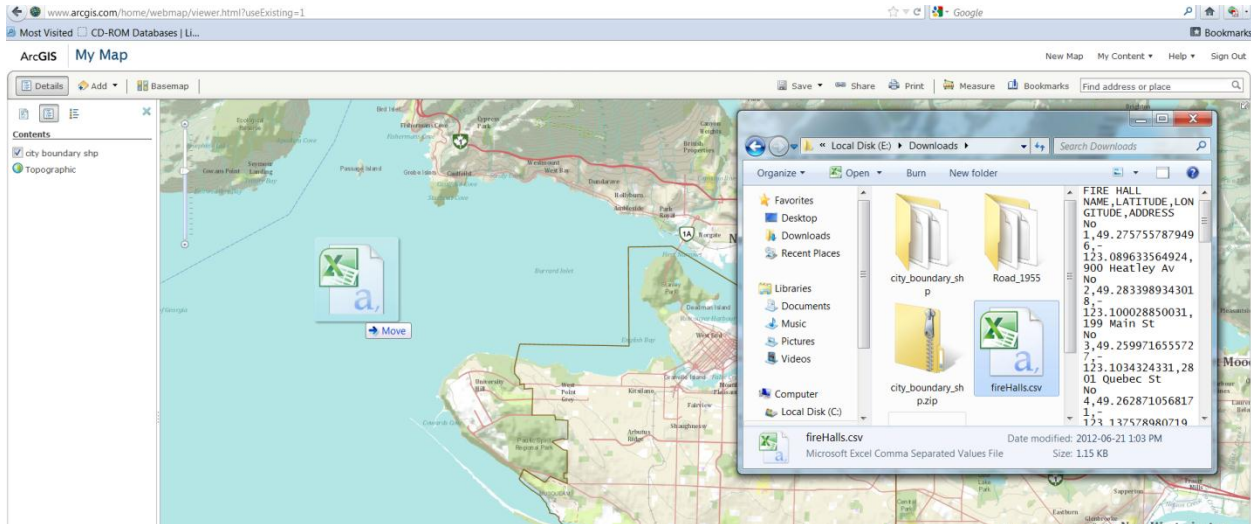


Drag and drop a CSV file into ArcGIS.com

In addition to importing your data file through map viewer by using 'Add' button, you can drag a CSV file and drop it onto your map. The comma-separated values text file (.csv) shall include latitude and longitude information. There is however a limit of 1,000 records that can be imported to the map.

8. Browse to locate the CSV file

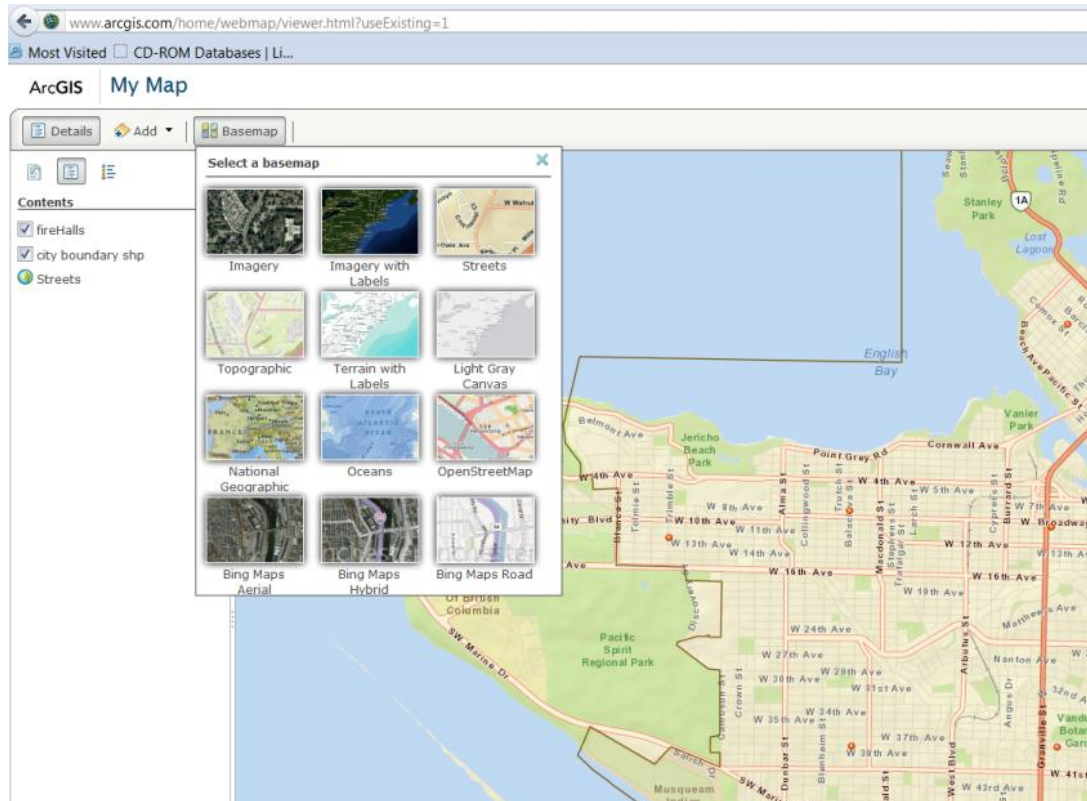
Open your Windows' browser and navigate to the folder where the file is located. Drag and drop the CSV file. Click to select the 'fireHalls.csv' file, drag and drop it anywhere in 'My Map' and close the Windows' explorer.



Choose a new basemap and save the map

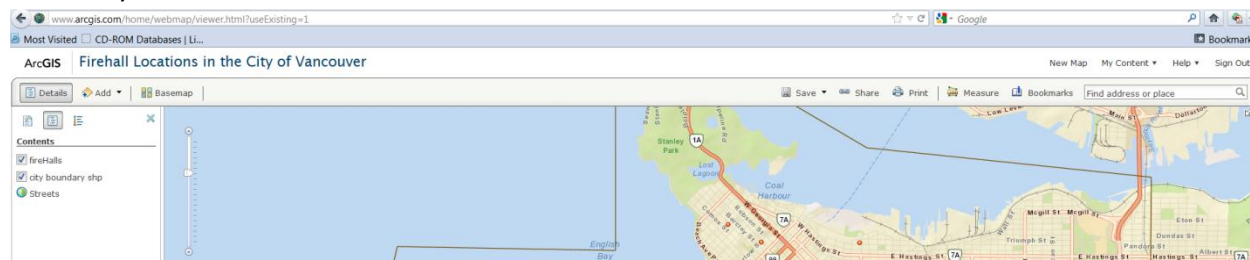
9. Choose a basemap

ArcGIS.com offers a variety of basemaps and the default one is 'Topographic'. Click 'Basemap' and select 'Streets'. The new street map will be like the one below:



10. Save your map

Click 'Save' menu and this will bring out a 'Save Map' message box. Once you have saved the map, you will notice that the map title has been changed from 'My Map' to 'Fire Hall Locations in the City of Vancouver'.

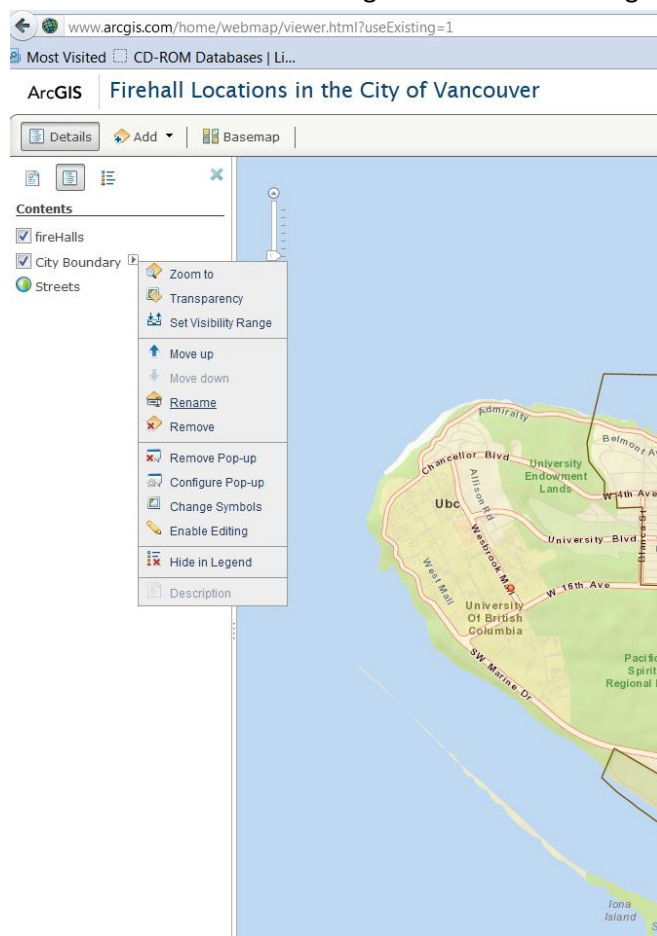


Adjust boundary layer properties

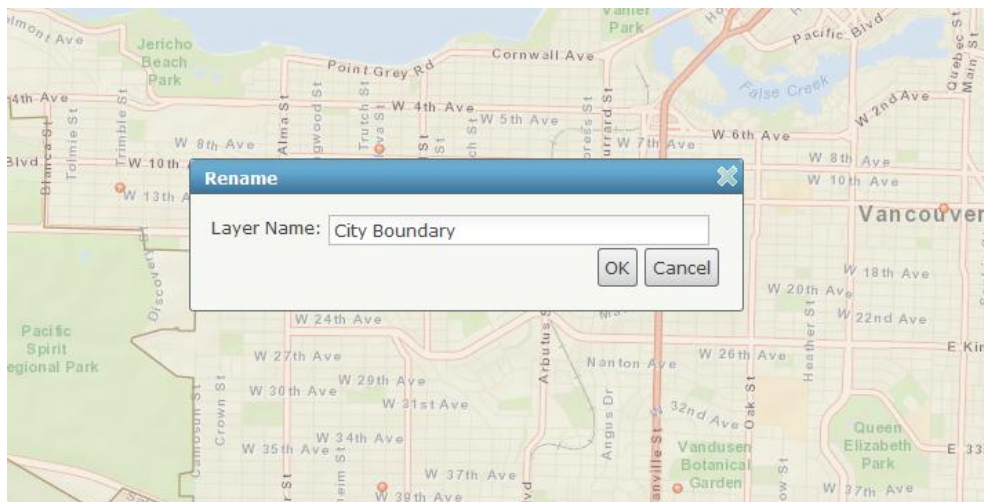
You can change the city boundary layer's name and its symbols.

11. Change layer name

Move the cursor over 'city-boundary_shp' layer then click to show the message box. Click 'rename' and this will bring out a rename message box.

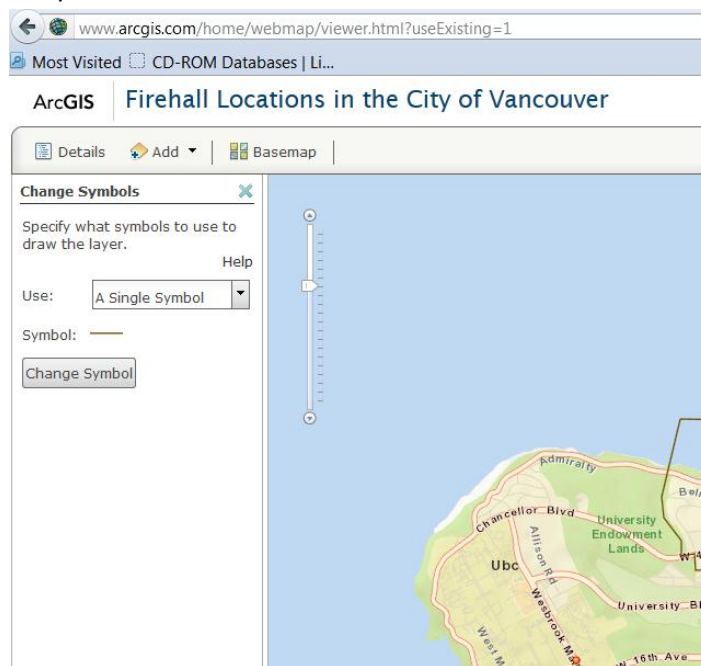


12. Type the new name as 'city boundary' and click 'OK' when finish.

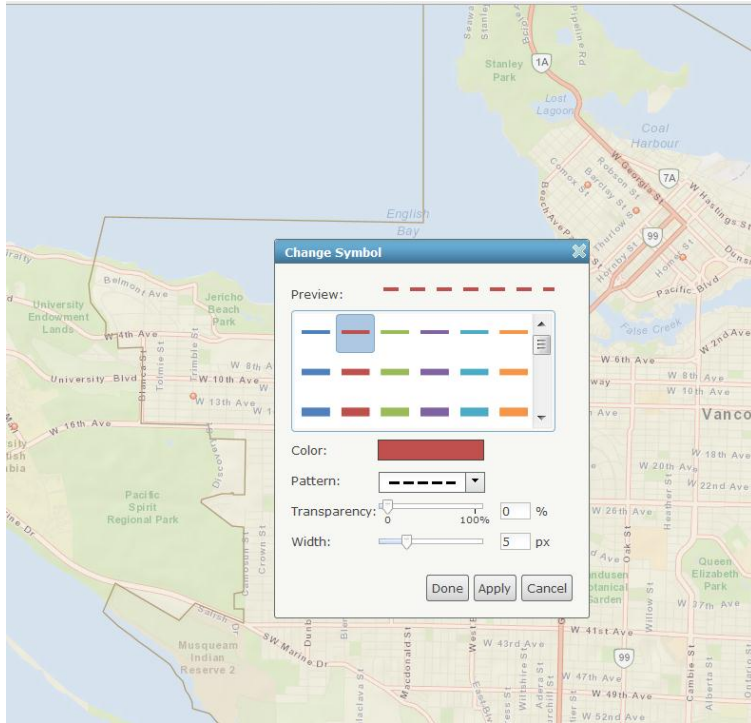


13. Change layer symbols

Select 'A Single Symbol' and click 'Change Symbols' to change its color, width, transparency and pattern.

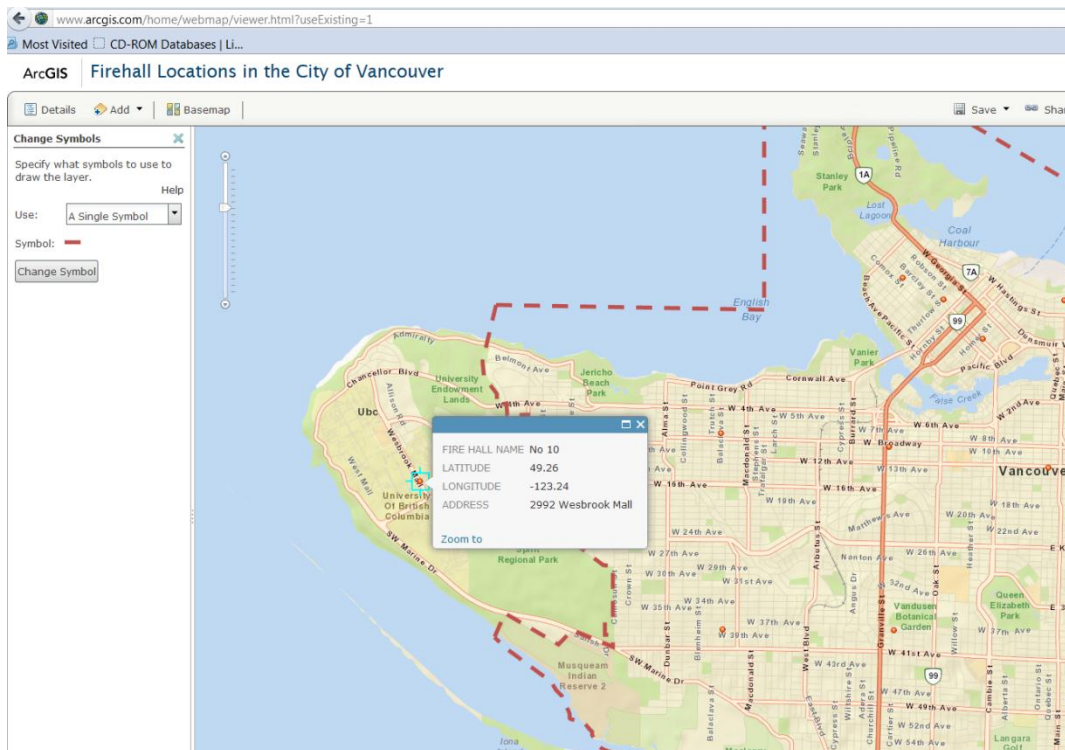


14. Change the city boundary symbol as: Red color, Pattern as dash line, Transparency as 0%, Width as 5 px and click 'Done' when finish.



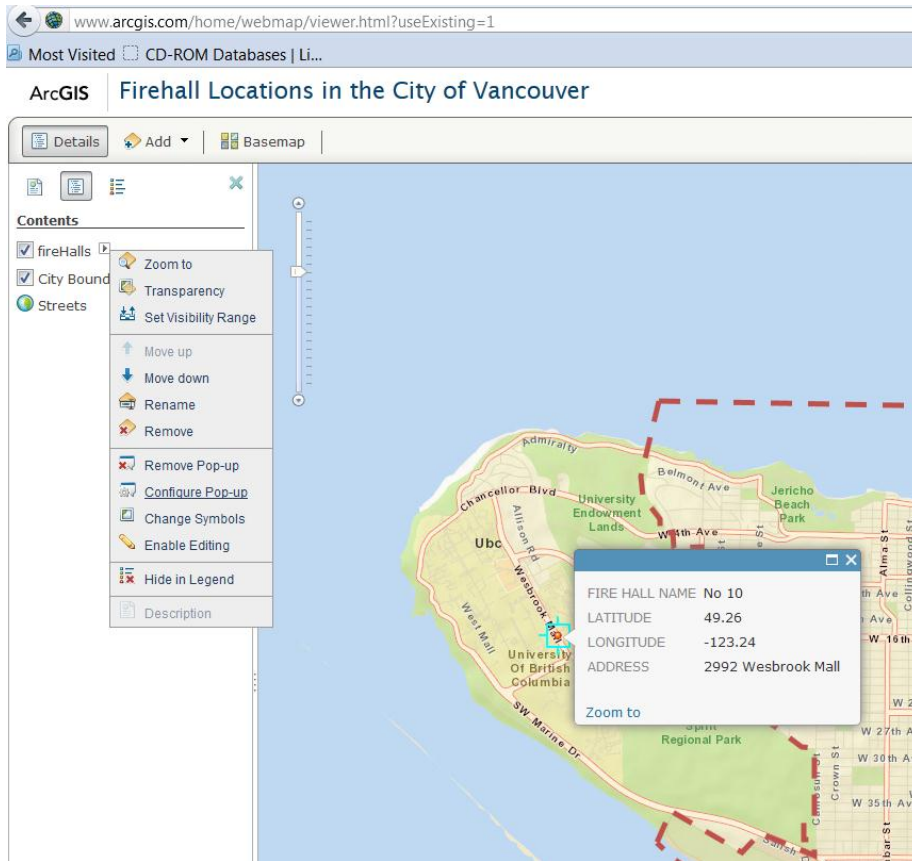
15. Show the pop up message

Click a fire hall symbol. This will bring out a pop up message showing its attributes name, latitude, longitude and address.



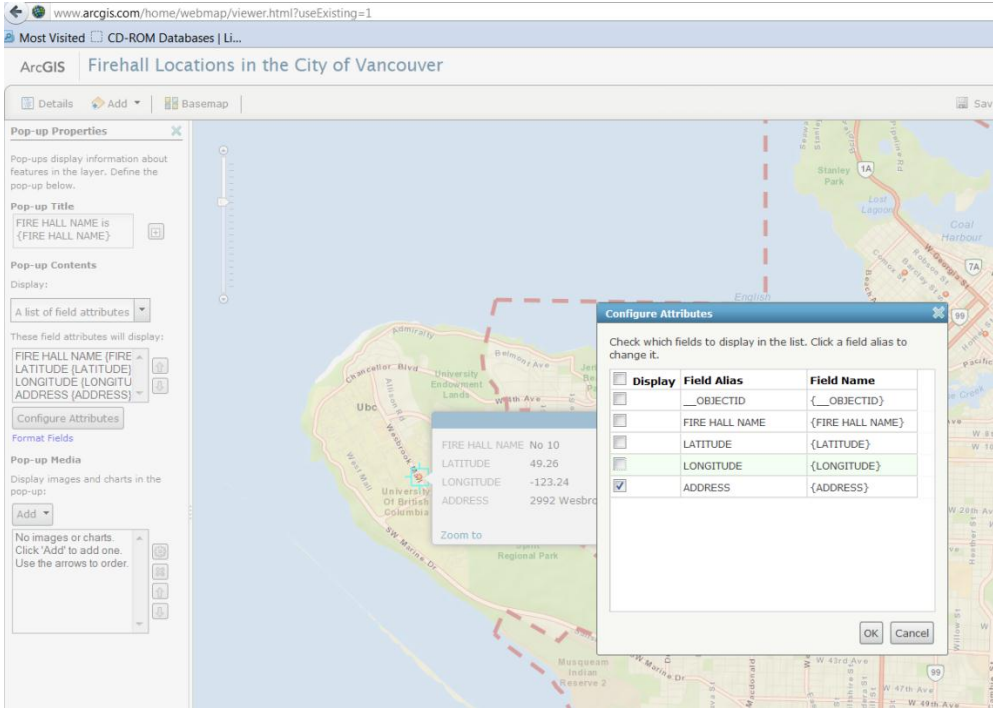
16. Configure the pop up message

Move the cursor over 'fireHalls' layer then click to show the message box. Click 'Configure Pop-up'. Next you can configure the pop-up message title and its contents.



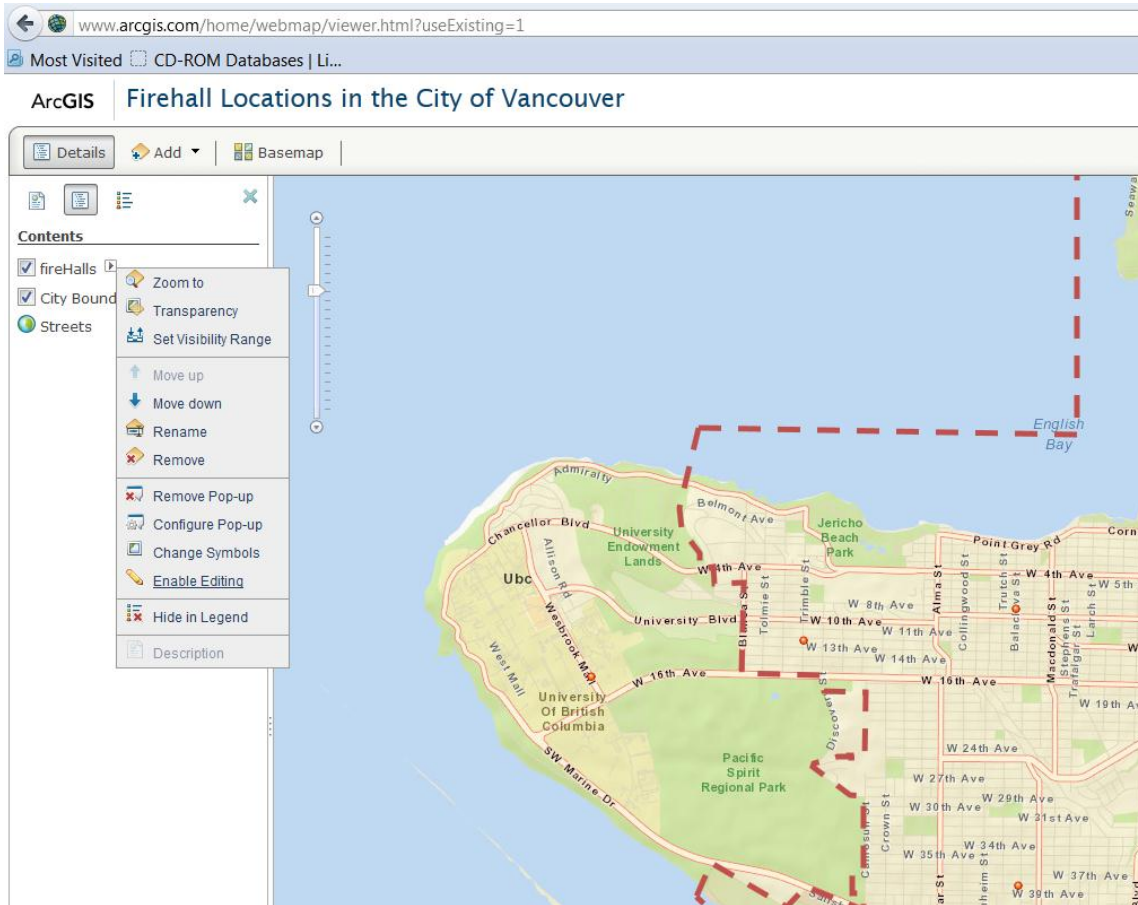
17. Modify pop-up message contents

By default, all field attributes will be displayed in the pop-up message. To remove unwanted attribute messages, click 'Configure Attributes'. This will bring up a 'Configure Attributes' message box. Only click on ADDRESS field and click OK to confirm the change.



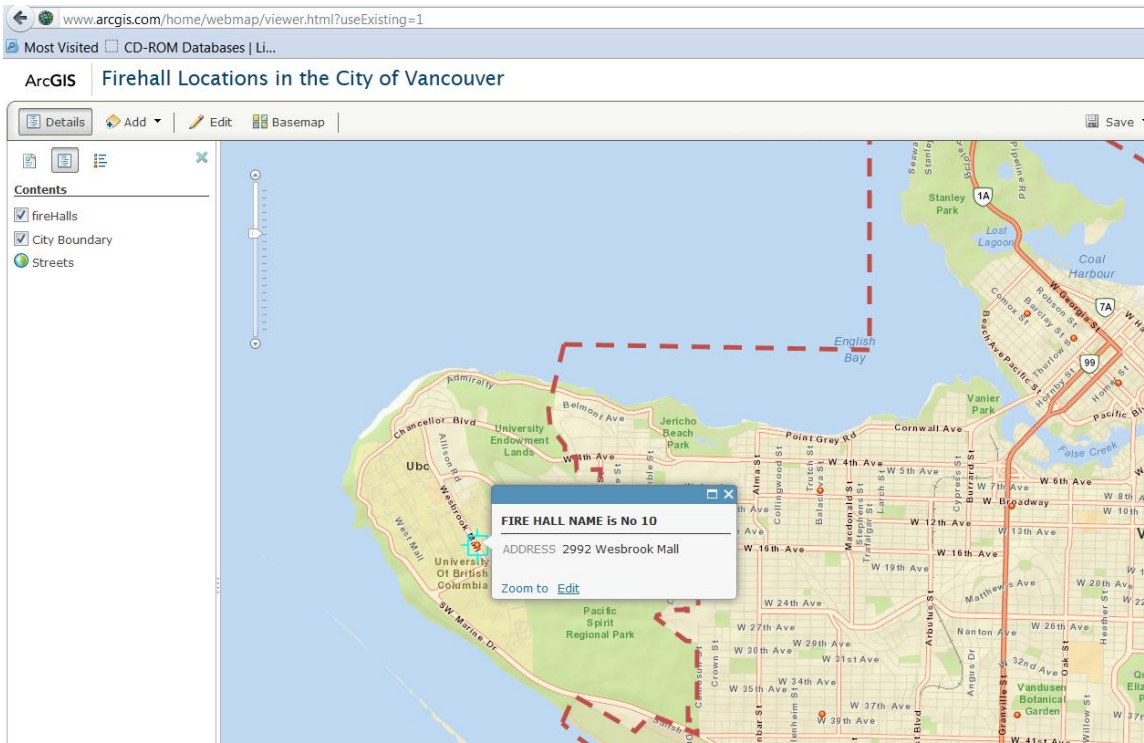
18. Enable editing function

Move the cursor over 'fireHalls' layer then click to show the message box. Click 'Enable Editing'.



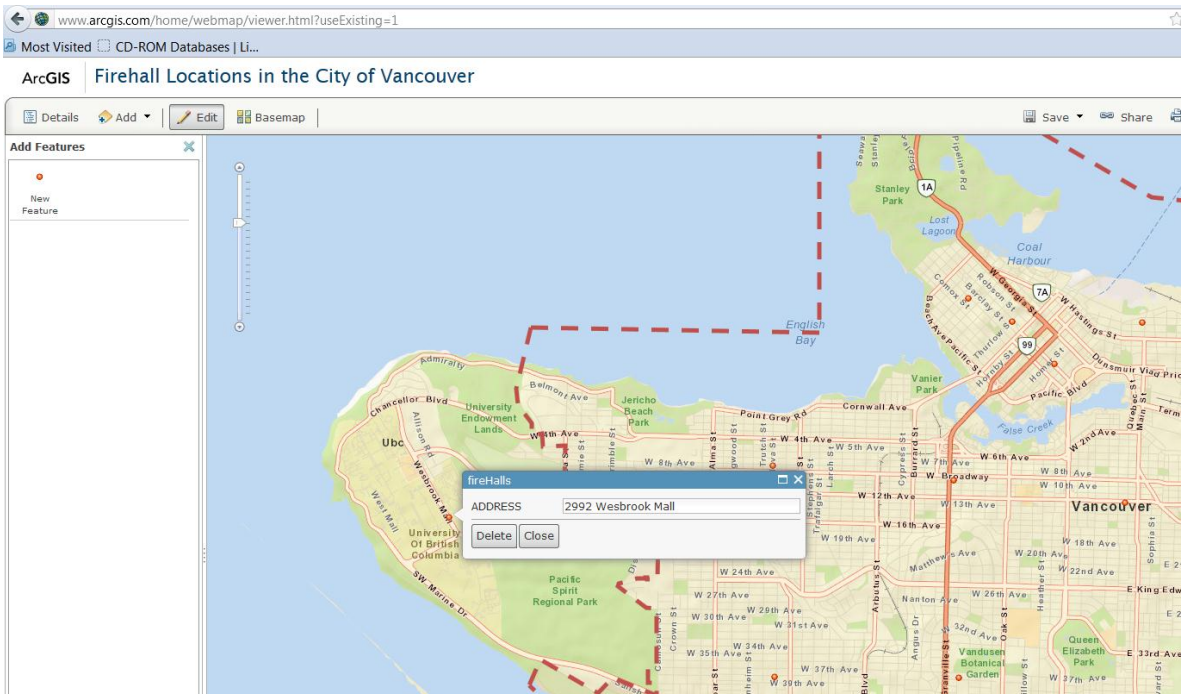
19. Edit a point feature

Zoom in the map and click a fire hall location, this will bring out a pop-up message and click 'Edit'.



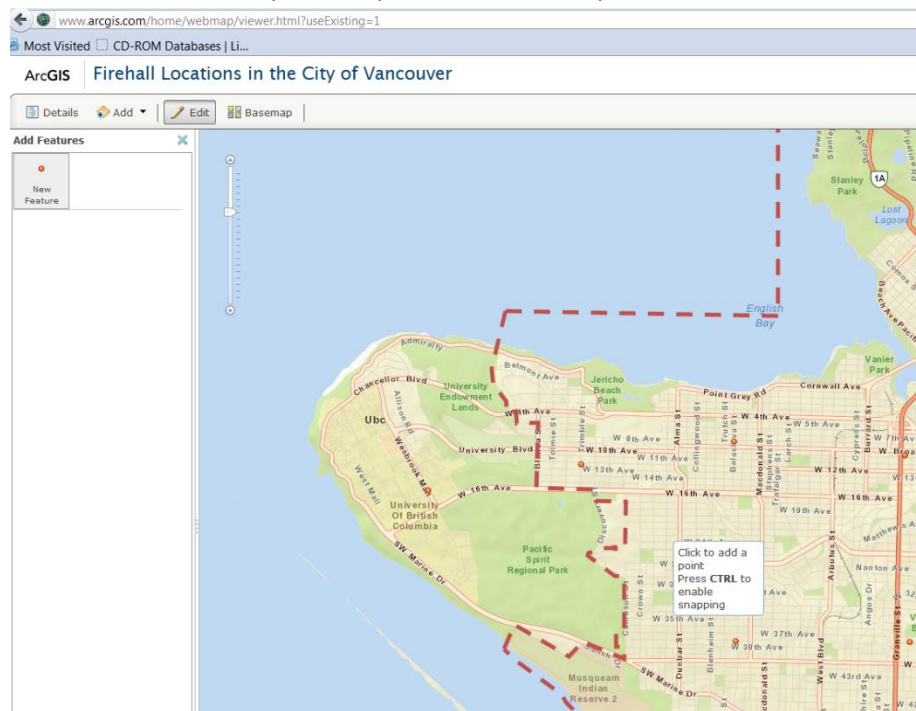
20. Deleting Points

Next you have the choice of deleting the point by clicking 'Delete', moving the point or modifying its attribute (address) in the address box.

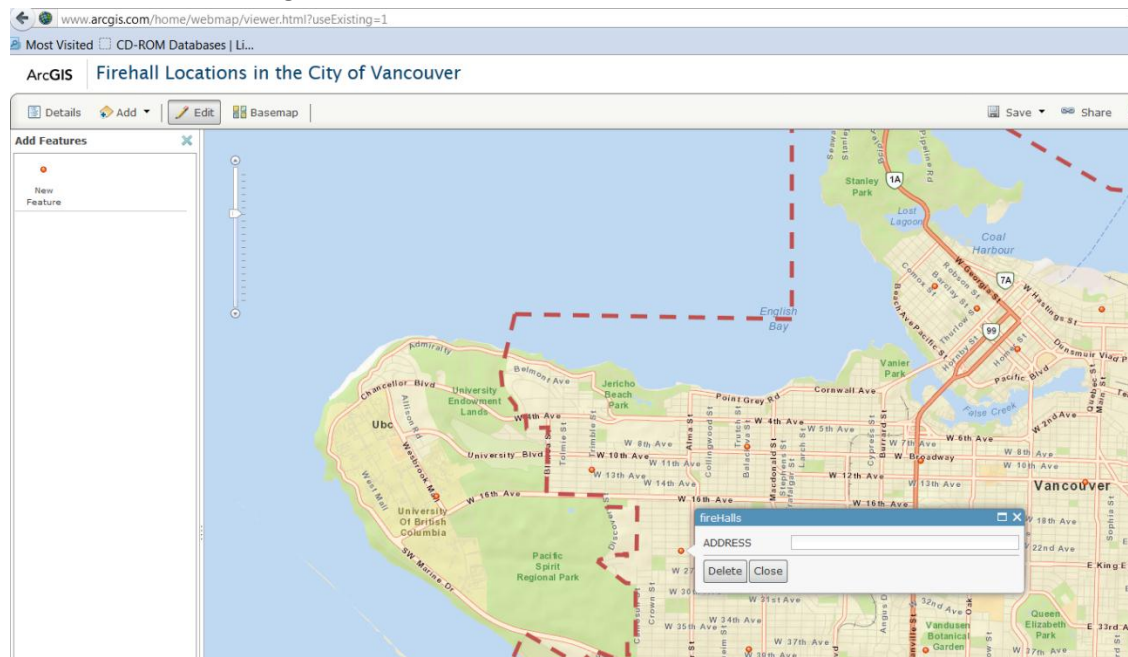


21. Add a New Point Feature

Click 'location' symbol under the 'Add Features' table of contents and next click a point somewhere in the map where you want to add a point.

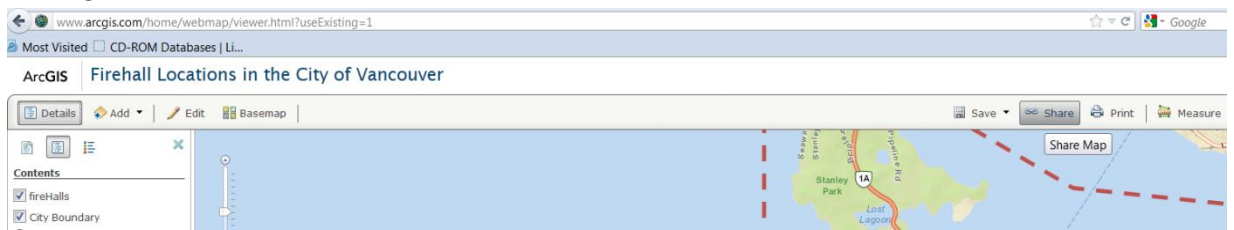


22. You will see this message box – enter an address and click close.

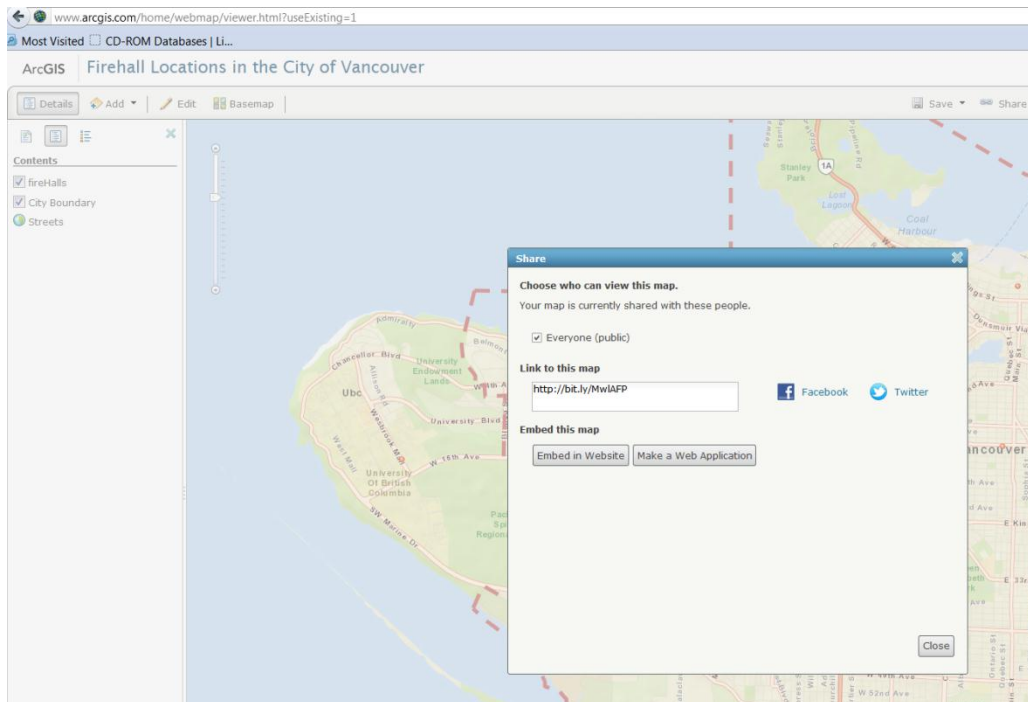


23. Share your map link

You can share the map link with others by clicking 'Share' menu. This will open a 'Share' message box.



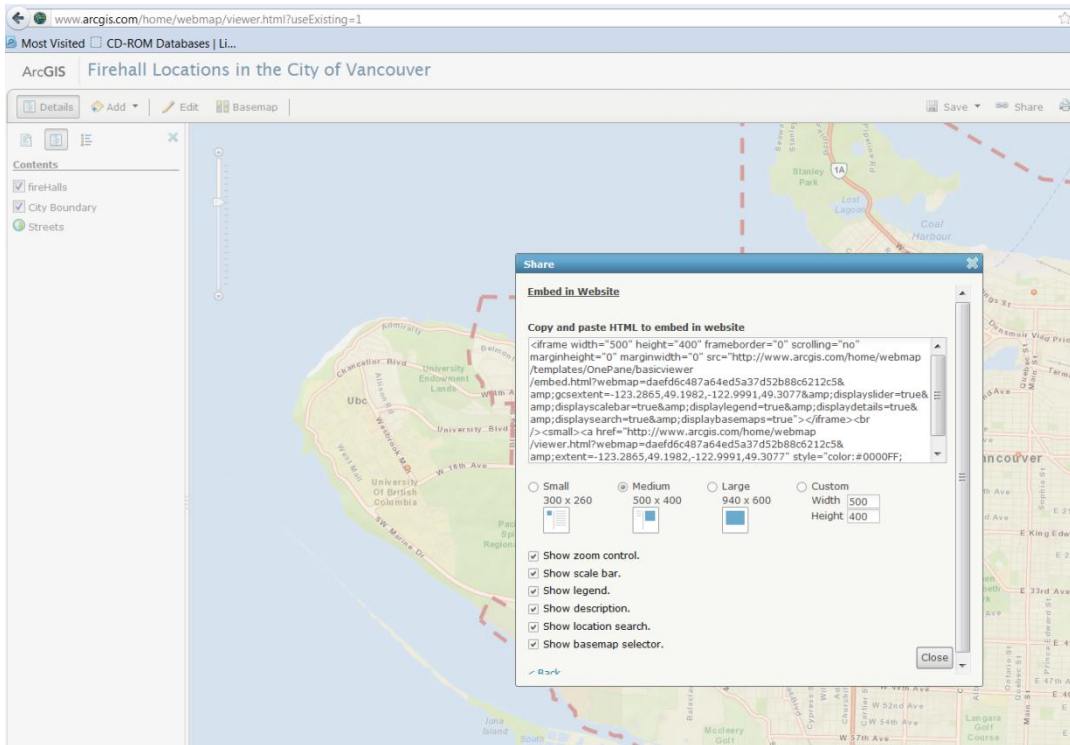
This will open a 'Share' message box. Click on the 'Everyone (public)' and use the link (e.g. <http://bit.ly/v26B7U>) to share with others via e-mail, Facebook or Twitter.



24. Embed the map in a website.

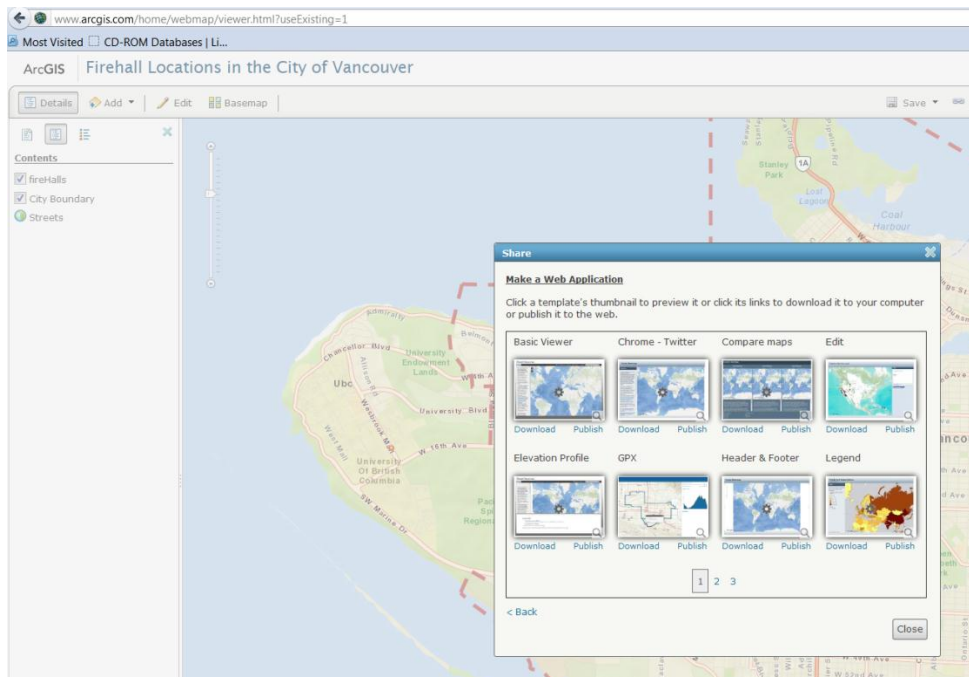
To embed the map in your website, click 'Embed in Website'. This will lead to a new message box. Choose a map size (Small, Medium, Large or Custom) and click on 'Show zoom control' or/and 'Show scale bar'. Then copy and paste HTML to embed in a website. Click 'Close' when

finished.



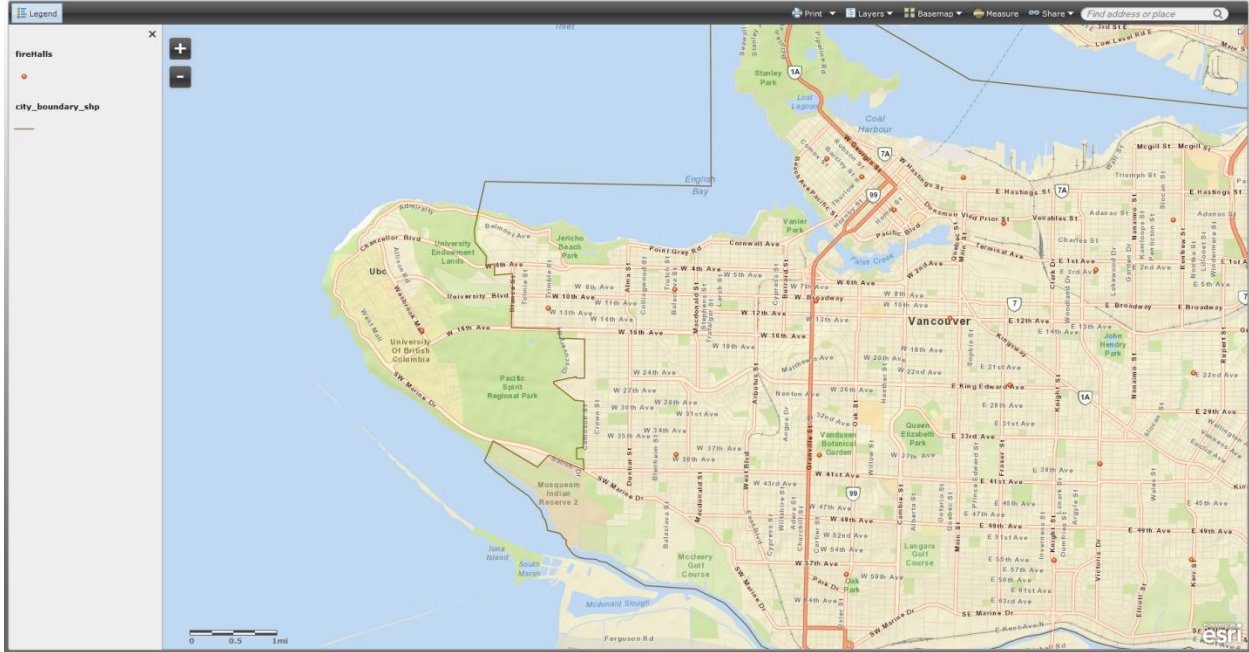
25. Make a Web Application

You can make a simple web application by clicking 'Make a Web Application' in the 'Share' message box. Choose a web application template. You can select a template, for example 'Basic Viewer' then double click to preview it.



Below is a saved, finished map for the fire hall locations in the City of Vancouver.

Firehall Locations in the City of Vancouver



Katherine Frankovich

July 19, 2012