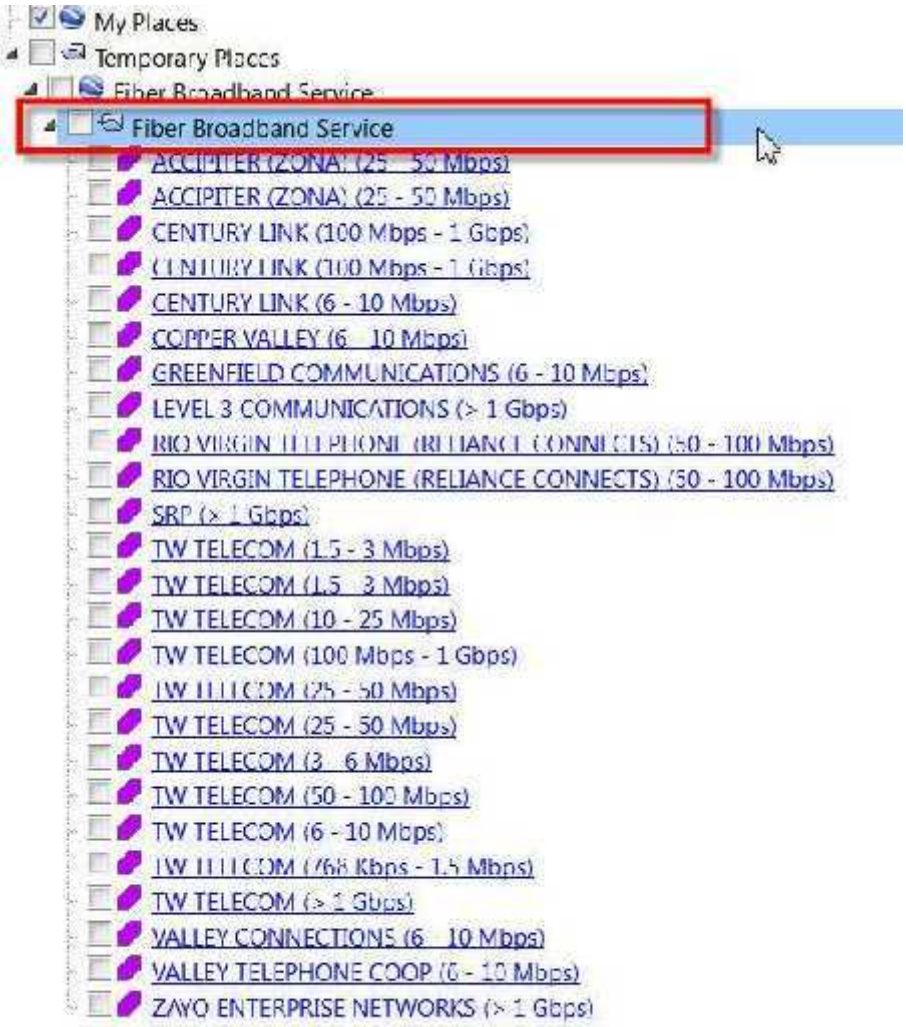
First, uncheck the Fiber Broadband Service Layer.

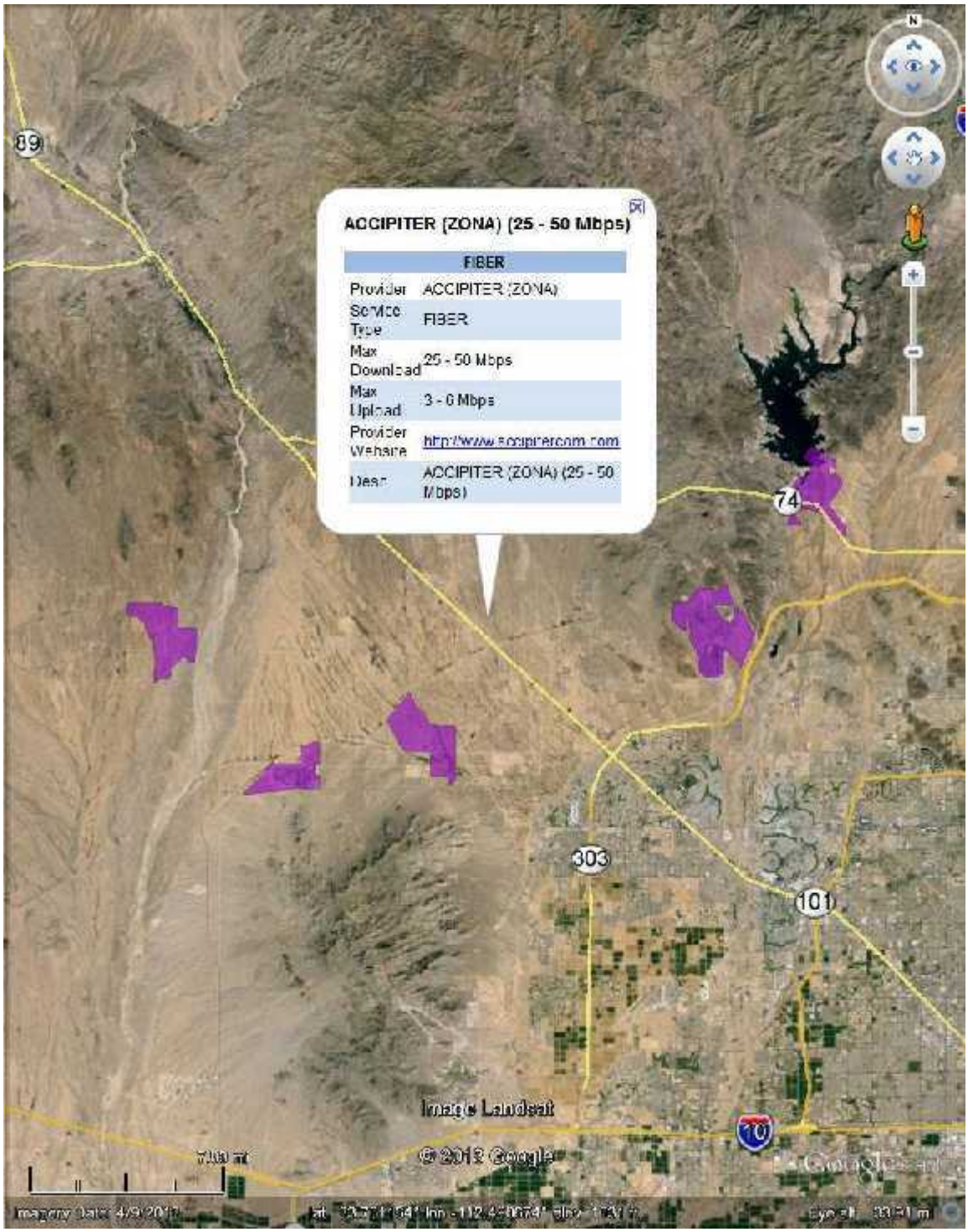


Turn ON, the first entry for:

ACCIPITER (ZONA) (25 - 50 Mbps)

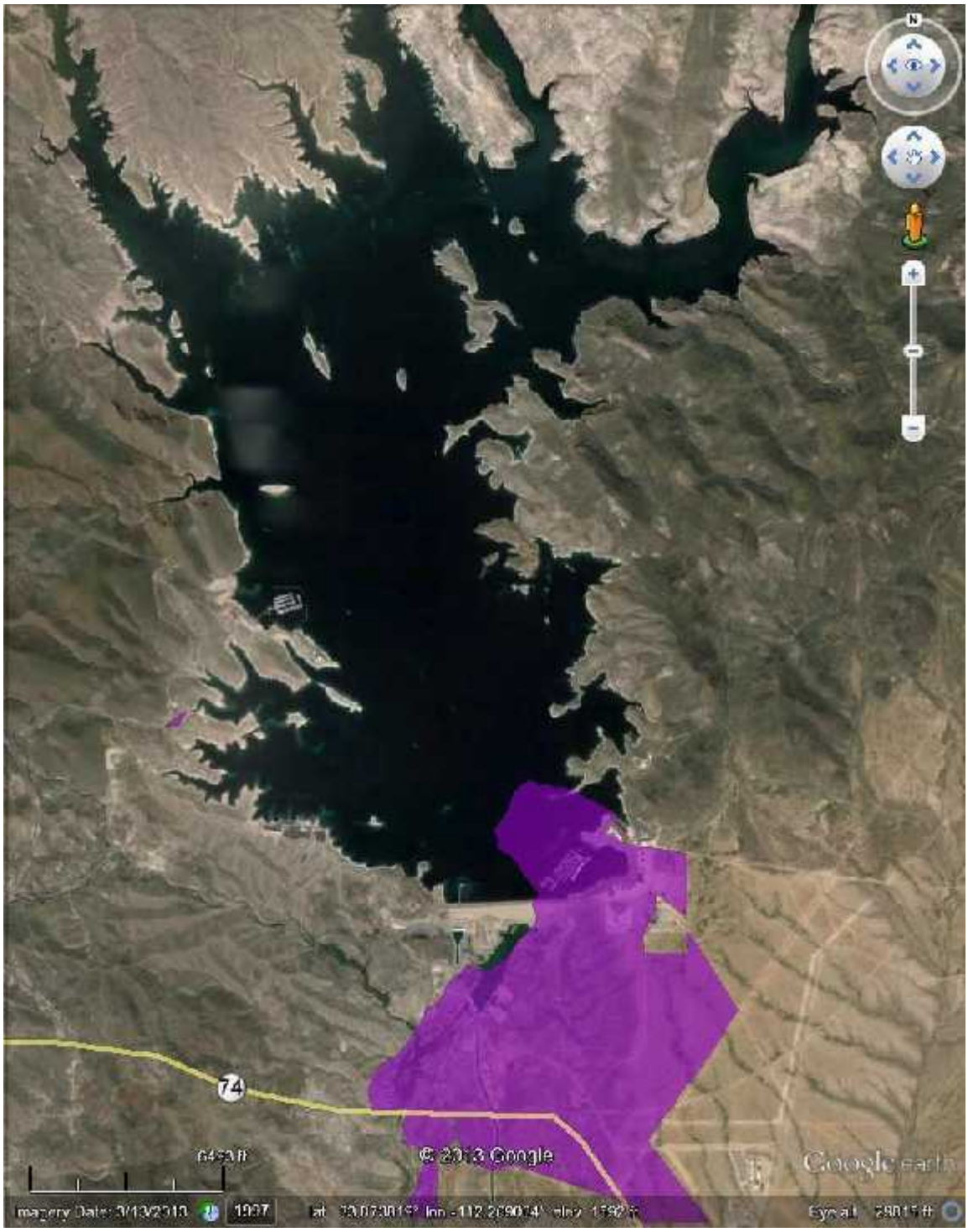
Double Click on the first entry to zoom in closer.

These are the Fiber Broadband Service areas for ACCIPITER (ZONA), based on Census Blocks smaller than 2 square miles.



However, for Census Blocks larger than 2 square miles, the data is reported by buffered Road Segments.

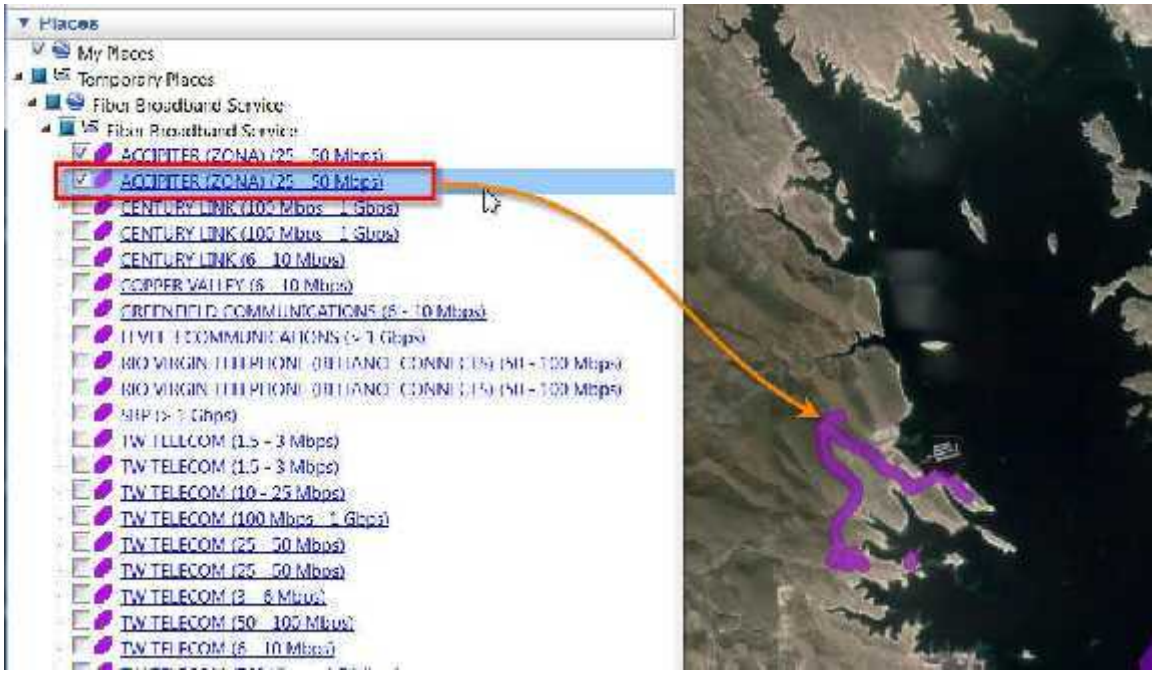
Zoom in closer to Lake Pleasant.



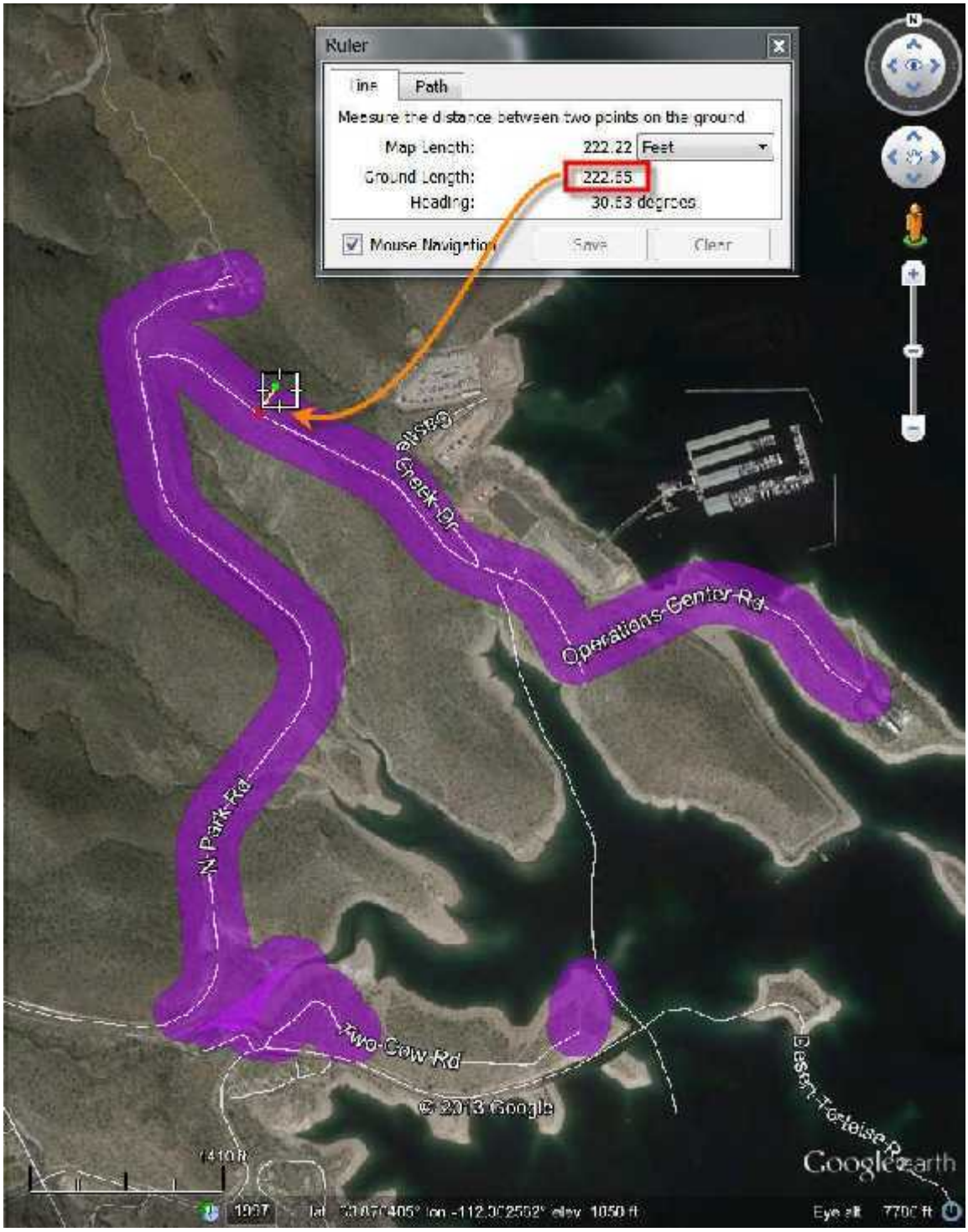
Turn ON the second entry for:

ACCIPITER (ZONA) (25 - 50 Mbps)

Now you will see the Fiber coverage reported via buffered Road Segments.



The Road Segments are buffered by 225ft to create a 450ft wide corridor.

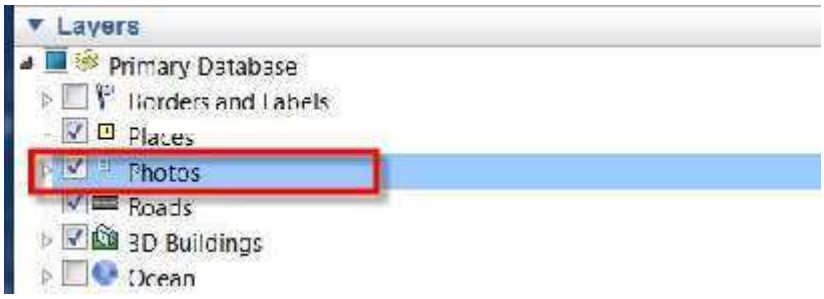


Turn on Places in Google's Primary Database.

You are looking at the Scorpion Bay Marina & Yacht Club.

It is easy to realize why they have high-speed Fiber Broadband Service.

Turn ON Photos in Google's Primary Database



Click on any Google Photo Icon to view images uploaded by the public.

Turn on all the Fiber Providers, and zoom in closer to Central Phoenix.

There is Fiber Broadband offered by:

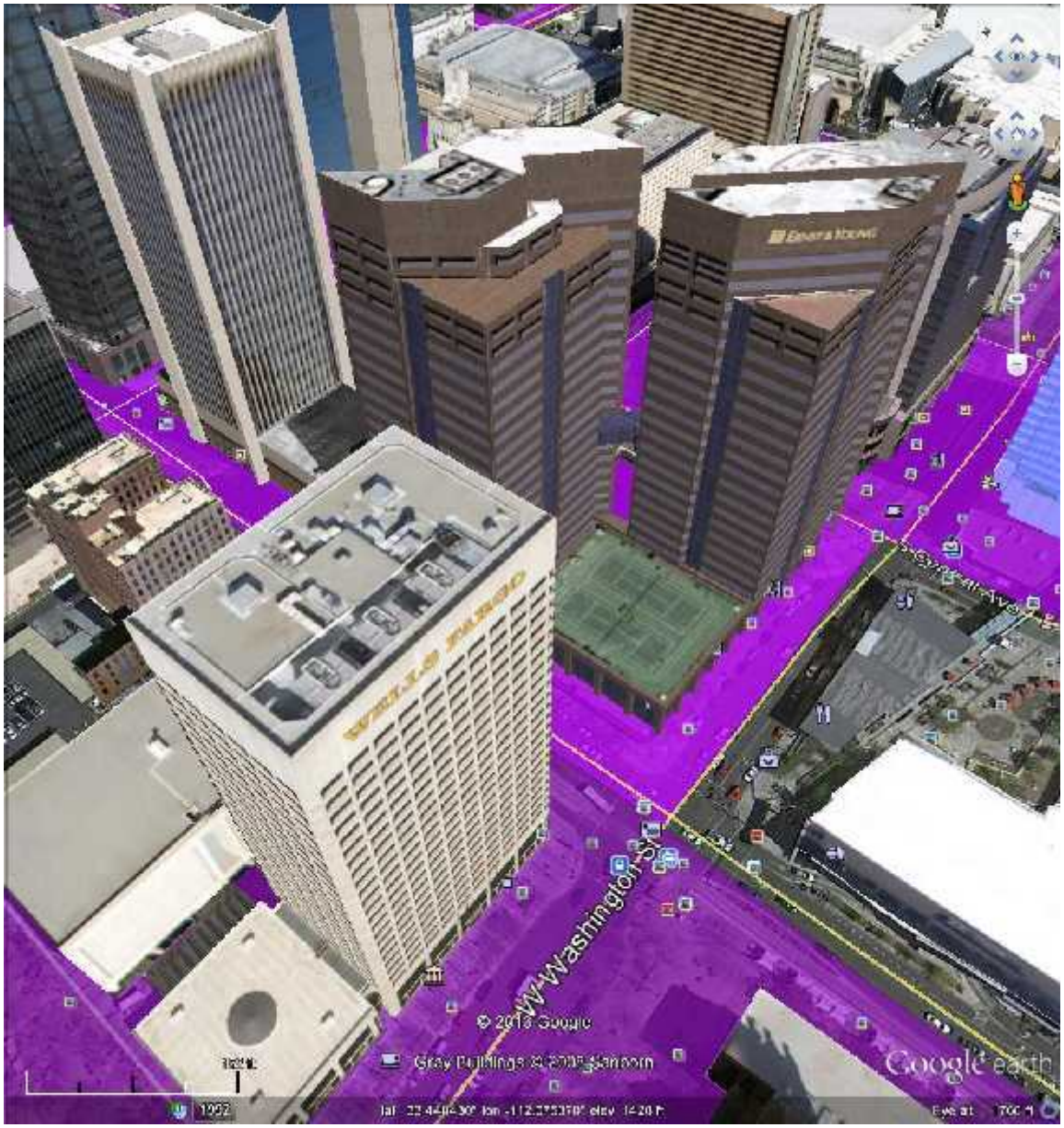
LEVEL 3 COMMUNICATIONS
ZAYO ENTERPRISE
TW TELECOM
SRP

Zoom in closer.

Hold down your SHIFT KEY and press the DOWN ARROW Key to change the Tilt.

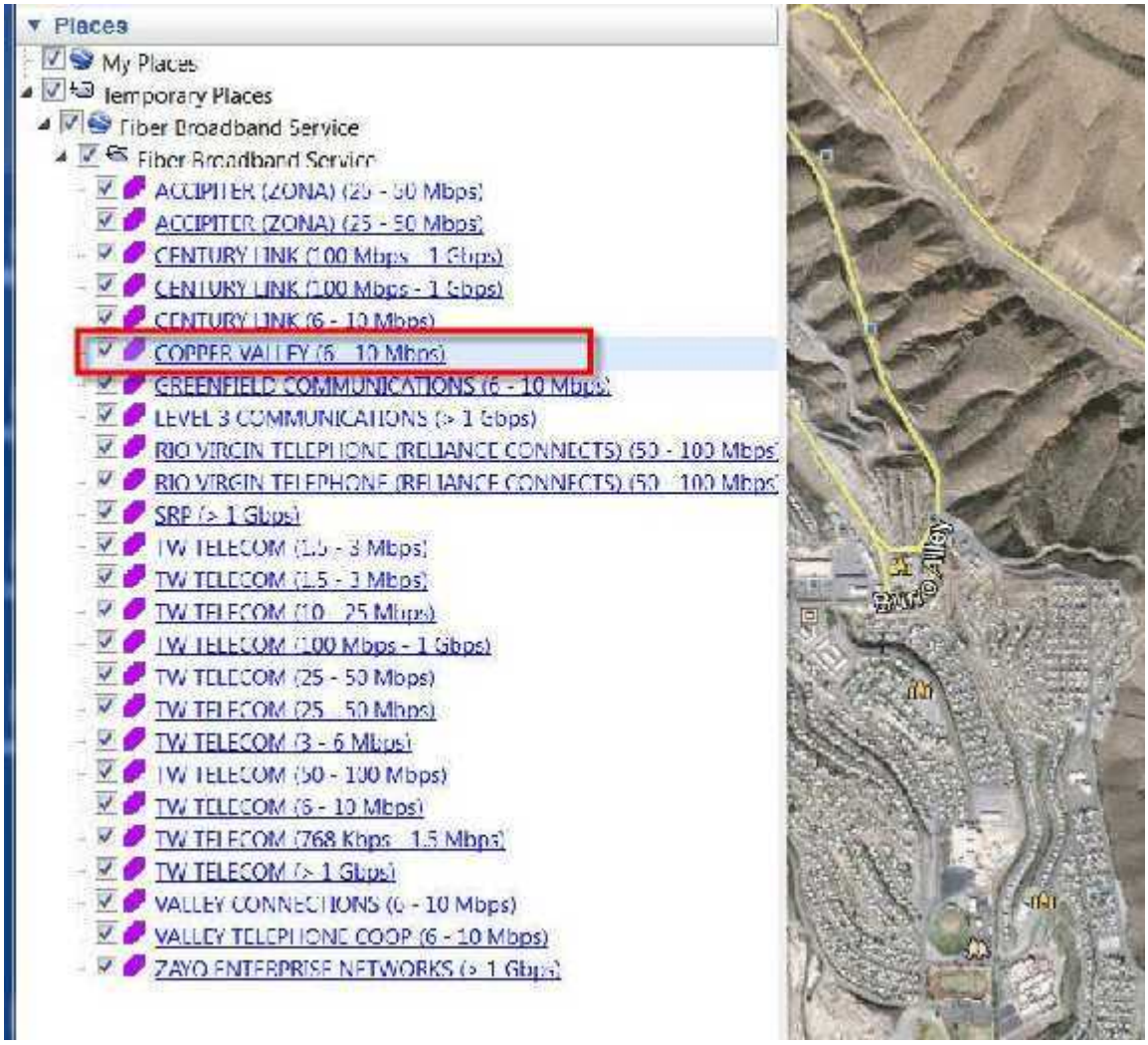
All the Fiber Broadband Coverage Areas are shown in Purple.
They are by Census Blocks smaller than 2 square miles.
If one building in the Census Block has Fiber Broadband, the entire Census Block is reported to having Fiber Broadband.

Hold down the SHIFT KEY and press the LEFT or RIGHT ARROW Keys to spin around.

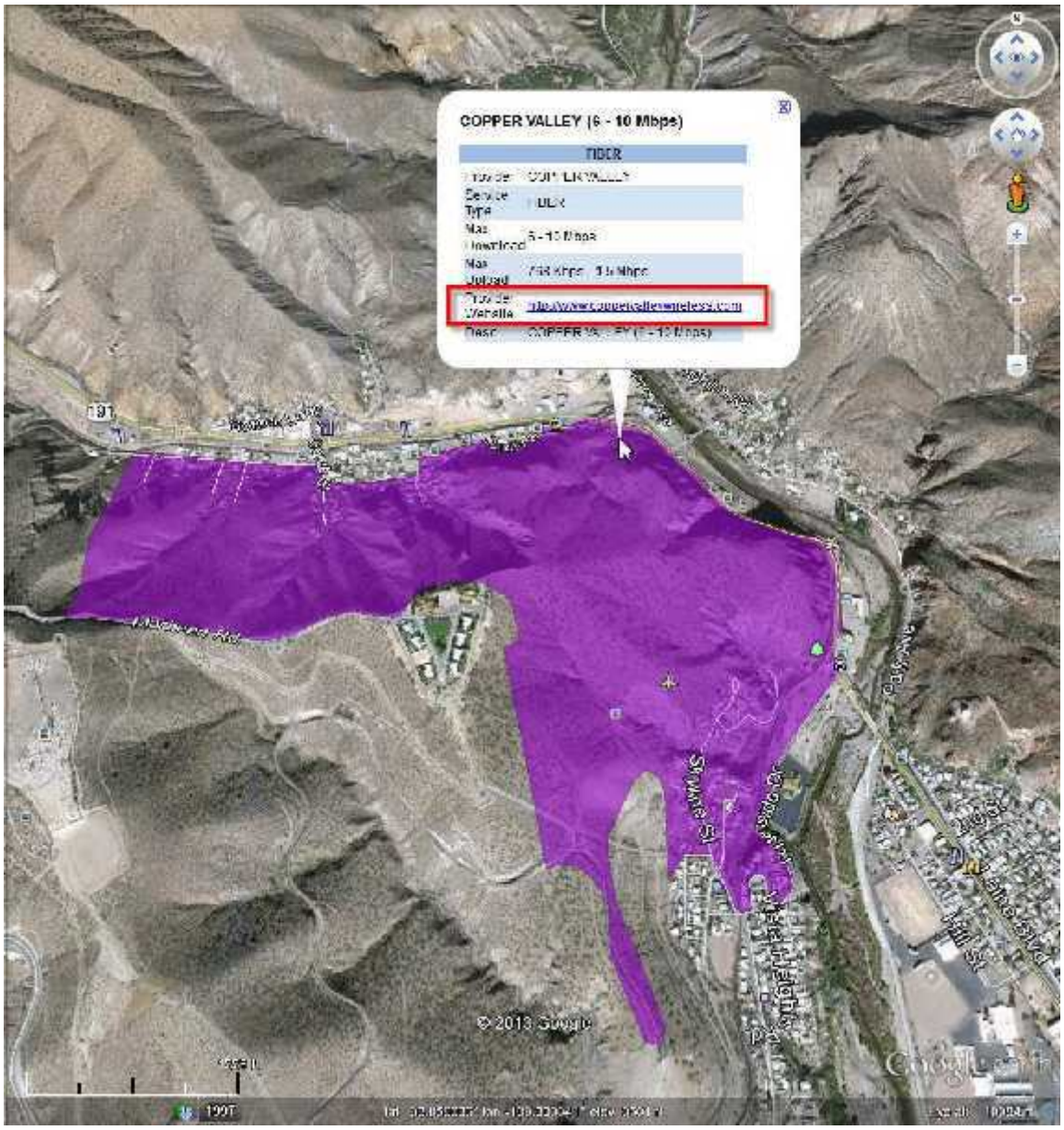


Double Click on a record to zoom to it.

Double Click on COPPER VALLEY (6 - 10 Mbps)



You can view the Fiber Coverage Area of COPPER VALLEY draped over a 3D terrain.



You can click on the Provider Website Link to open the Home Page of COPPER VALLEY.

Exit Google Earth without Saving.

Viewing Cell Tower Locations

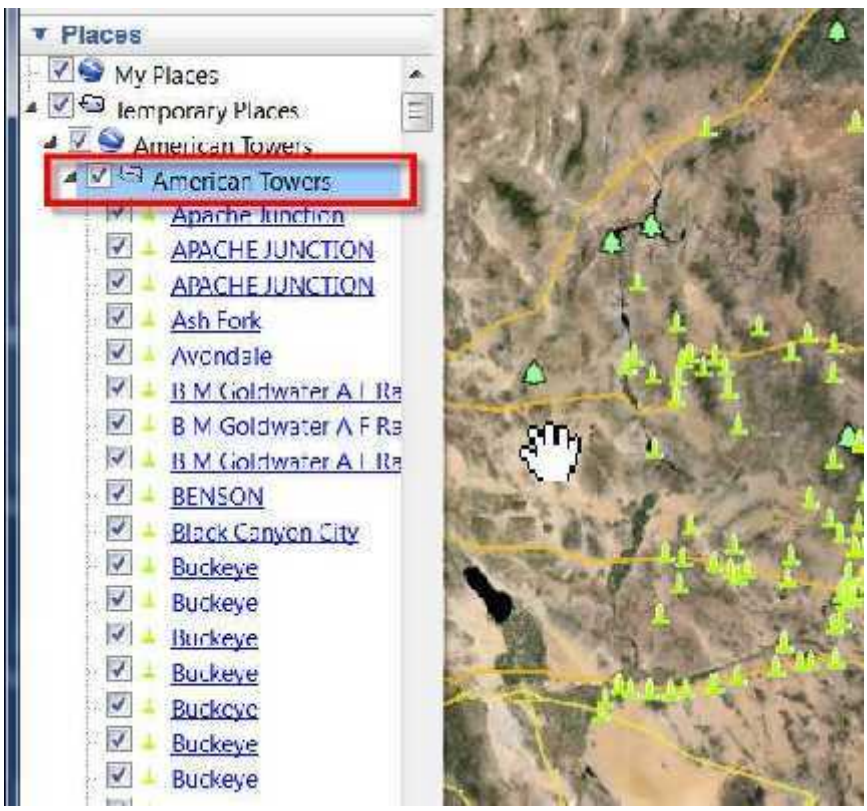
You can view the Cell Tower locations on the surface of a 3D terrain inside Google Earth.

Open AmericanTowers.kmz

Road Segments	Road Segments in Arizona	88 Lines	1,126 KB	RoadSegments.kmz
Cell Towers	Cell Tower locations in Arizona. (Source = FCC)	3,824 Points	100 KB	CellTowers.kmz
American Towers	Cell Tower locations in Arizona. (Source American Tower)	530 Points	38 KB	AmericanTowers.kmz

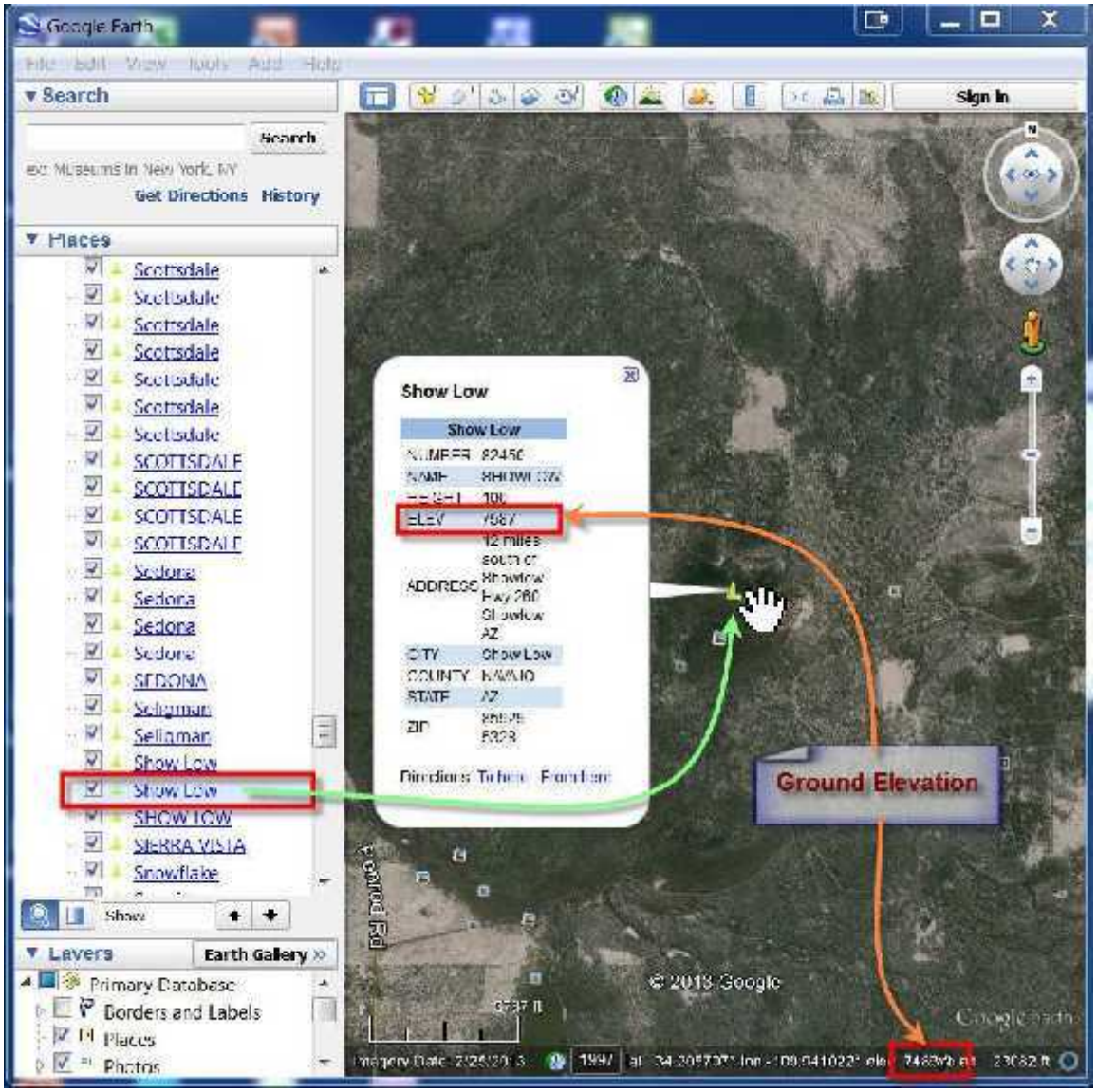
There are 530 unique locations.

Expand the American Towers data layer and Sort the listing Alphabetically.



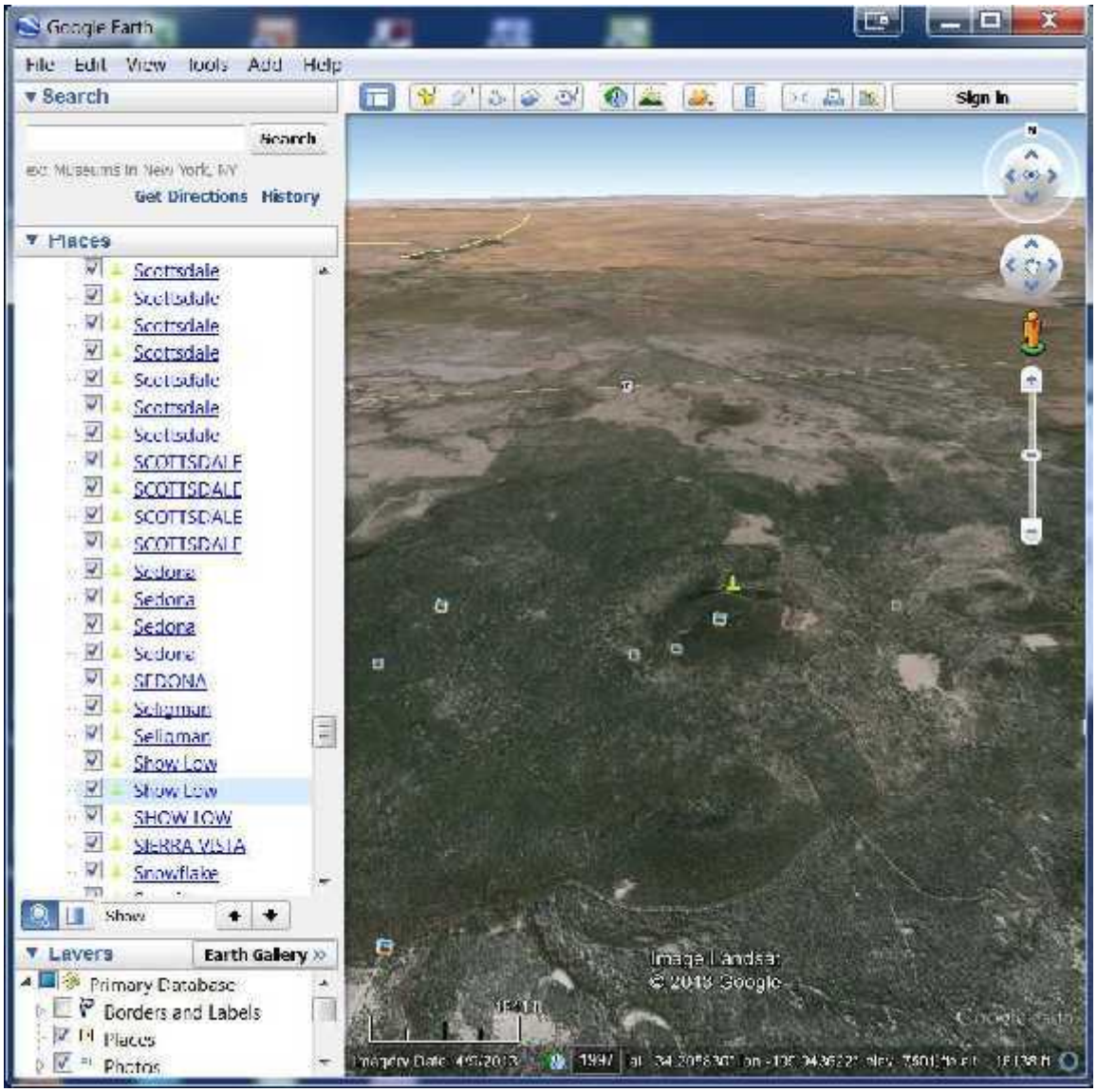
The Cell Towers are listed by the City Name it belongs to.
Enter Show in the Search Box, and double click on the second entry for Show Low.

The Ground Elevation reported on the Attribute Table = 7587 ft.
This jives well with the Elevation of the terrain indicated by Google = 7583 ft.



Close the Pop Up Window.

Hold down your SHIFT KEY and press the DOWN ARROW Key to change the Tilt.

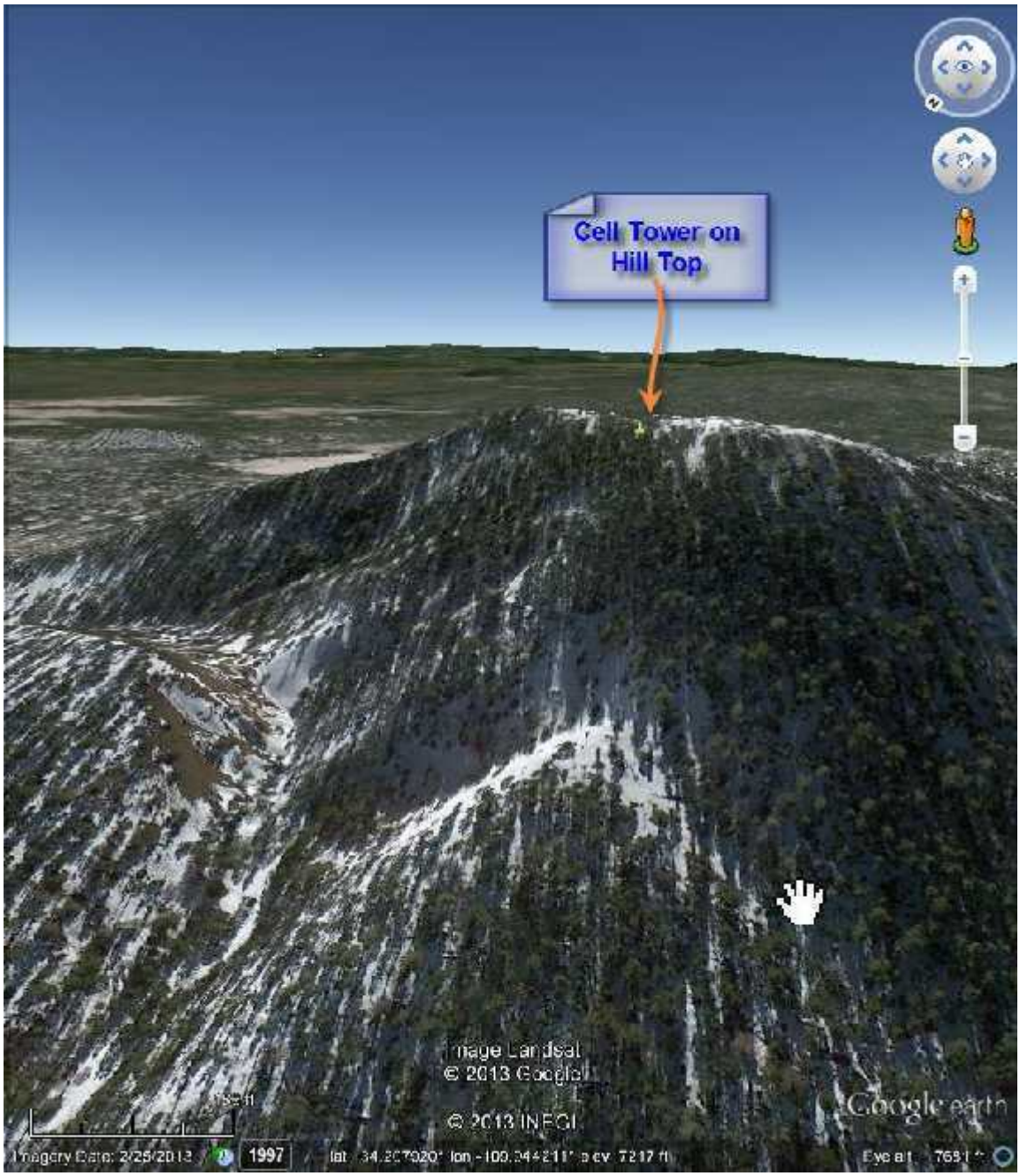


Zoom in closer to see the Cell Tower location on top of the hill.

Zoom in some more.
You can see the actual cell tower location on the Satellite Image.
The reported cell tower location is close enough for identification purposes.

Hold down your SHIFT KEY and press the LEFT or RIGHT ARROW Keys to spin around.

Here is the view from another angle.



As you can see, Google Earth provides a valuable tool for viewing the Broadband Data Layers draped over a 3D terrain. This is a free resource.

Exit Google Earth without Saving.

Viewing Hospitals and Healthcare Facilities

First, open the Masking Layer.
This will make it easier to view the Healthcare Facilities on top.

Base Layers for Masking Satellite Imagery

Layer Name	Description	Number of Features	File Size	KMZ File
Outside Arizona	Region outside the State borders of Arizona for framing the map	1 Polygon	212 KB	Outside.kmz
Masking Layer	Semi-transparent base layer to mask out the Satellite Image within Arizona. Load this as your 1st layer.	1 Polygon	604 KB	Mask.kmz

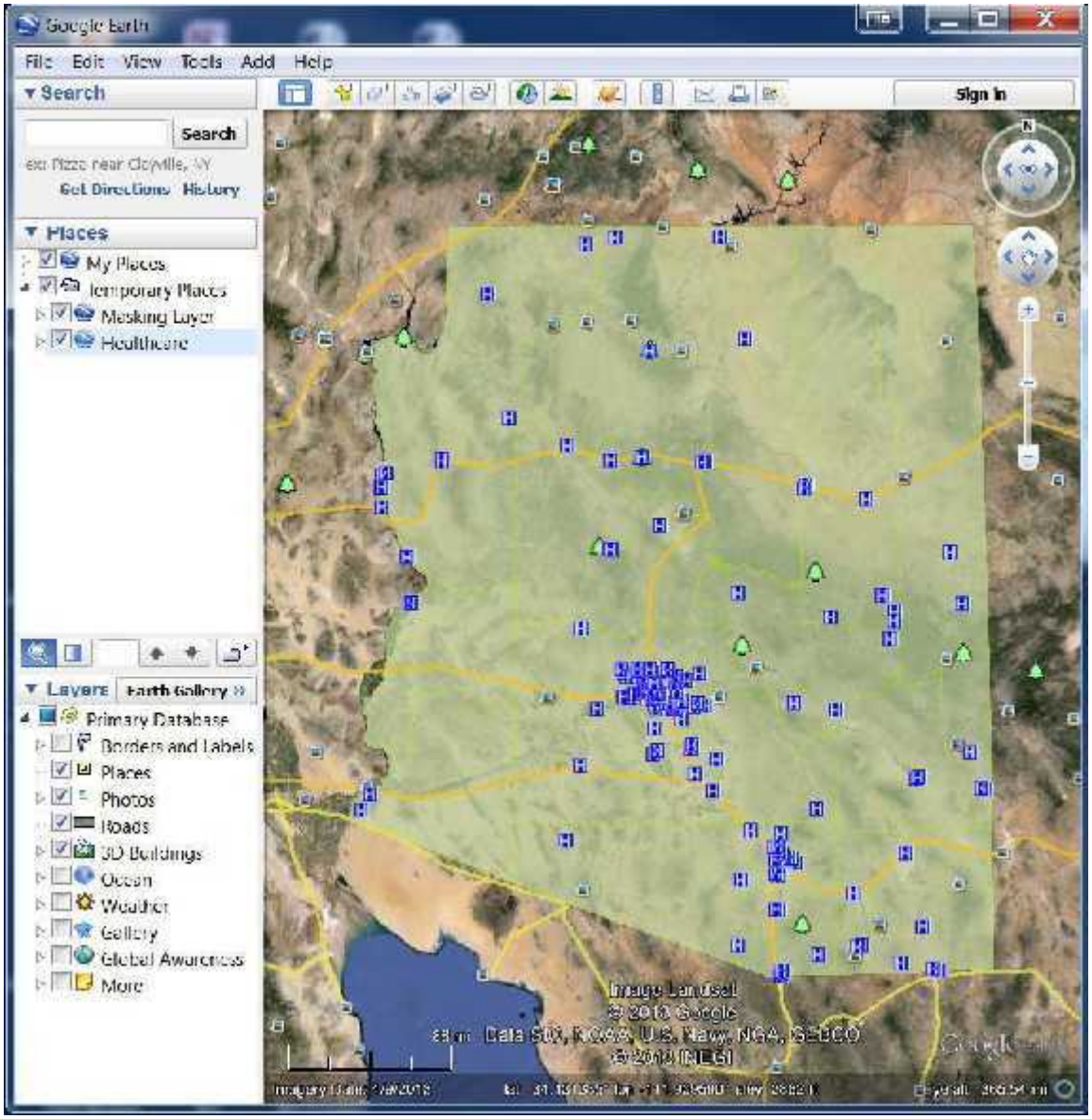
Next, scroll down to the Community Buildings section, and open Healthcare.kmz

Community Buildings

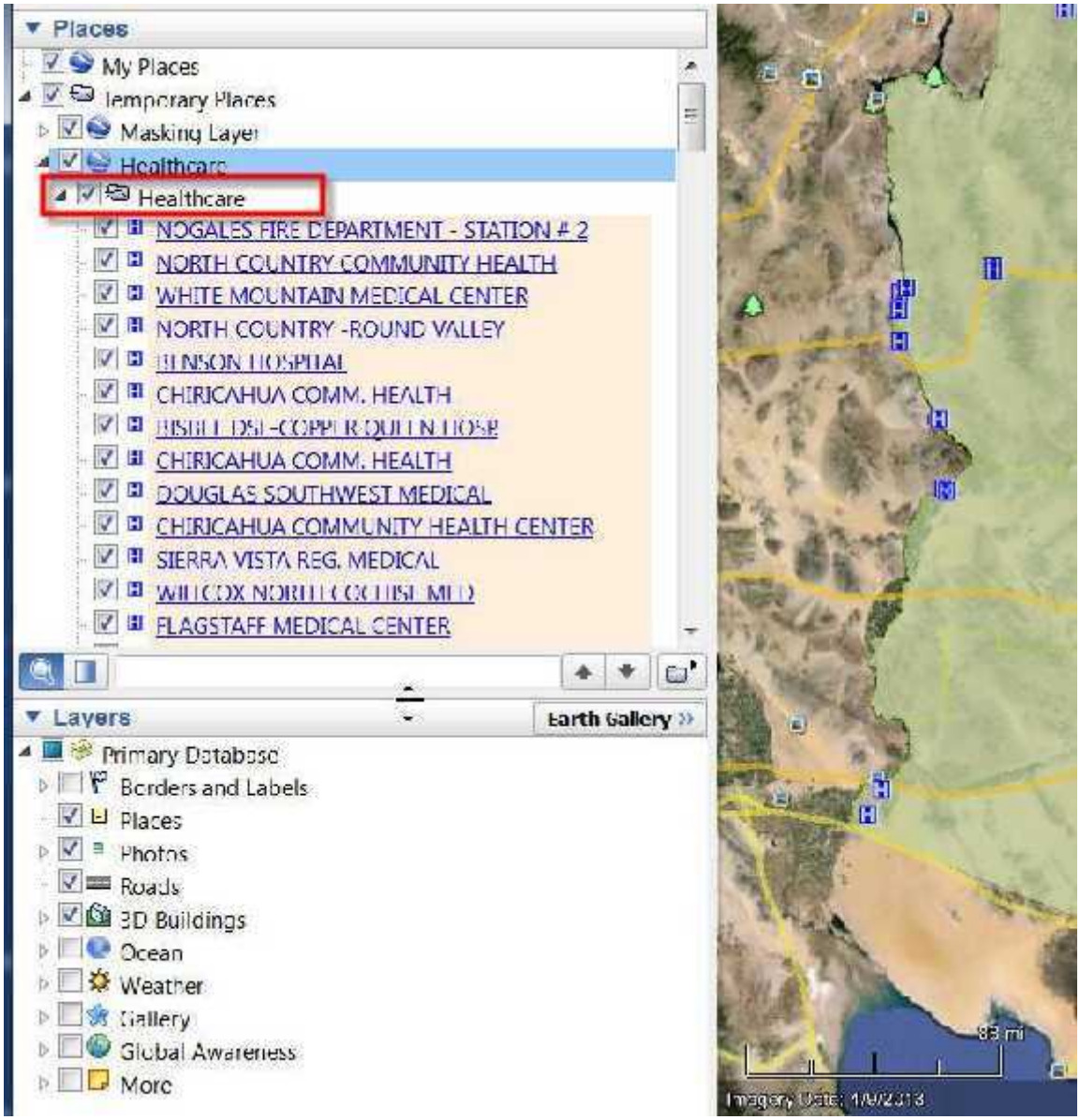
Layer Name	Description	Number of Features	File Size	KMZ File
Schools	Public Schools in Arizona	1630 Points	99 KB	Schools.kmz
Libraries	Public Libraries in Arizona	245 Points	17 KB	Libraries.kmz
Healthcare	Hospitals and Healthcare facilities in Arizona	168 Points	14 KB	Healthcare.kmz

There are 168 data points in this layer.

The Healthcare locations are represented by a blue Hospital symbol.



Expand the Healthcare Data Layer.



You want to zoom to St. Joseph's Hospital in downtown Phoenix.

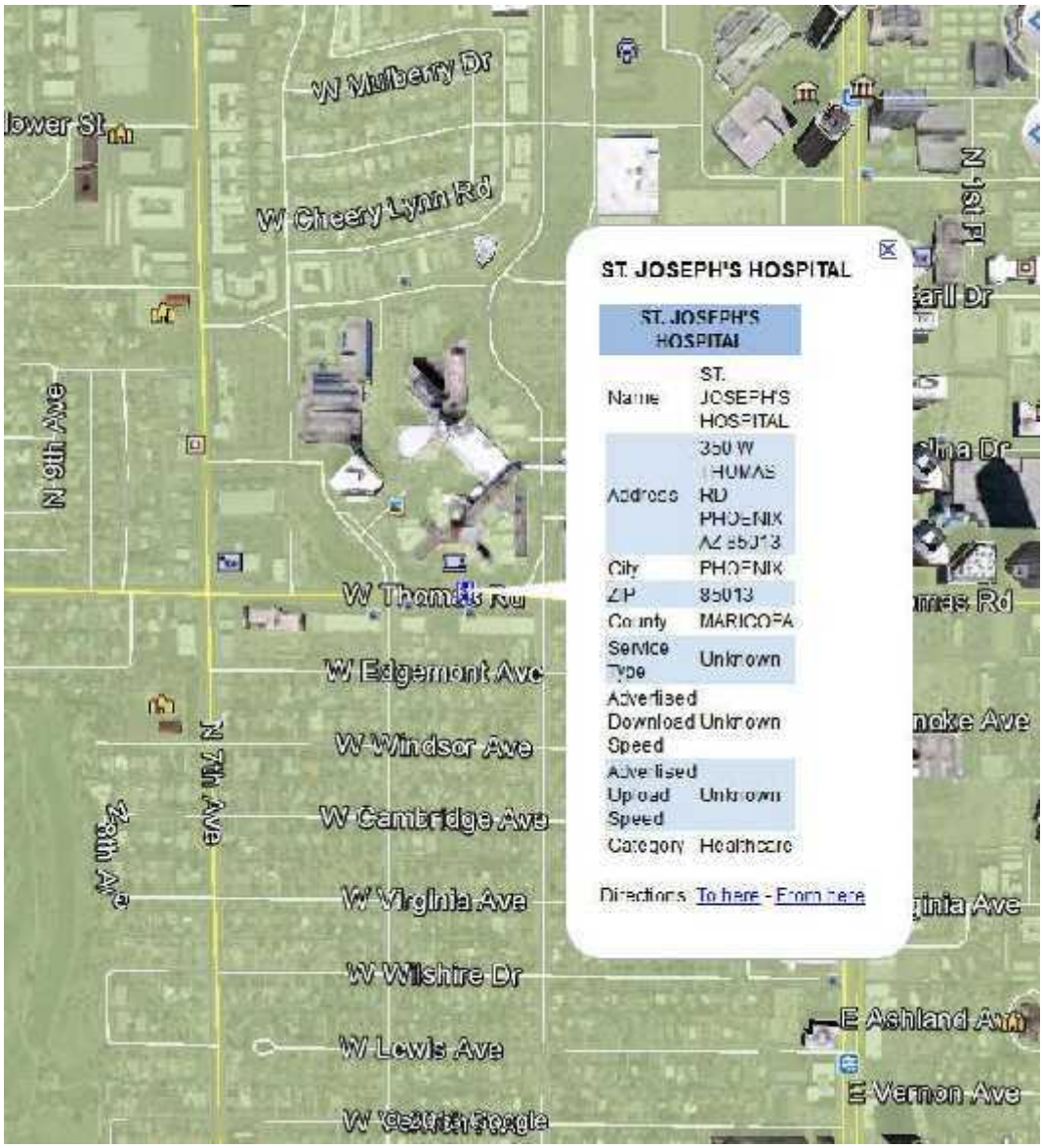
Begin by typing JOS in the Search Box.

The record for ST. JOSEPH'S HOSPITAL will be found and highlighted in blue.

Double Click on ST. JOSEPH'S HOSPITAL

The map will zoom to this Hospital.

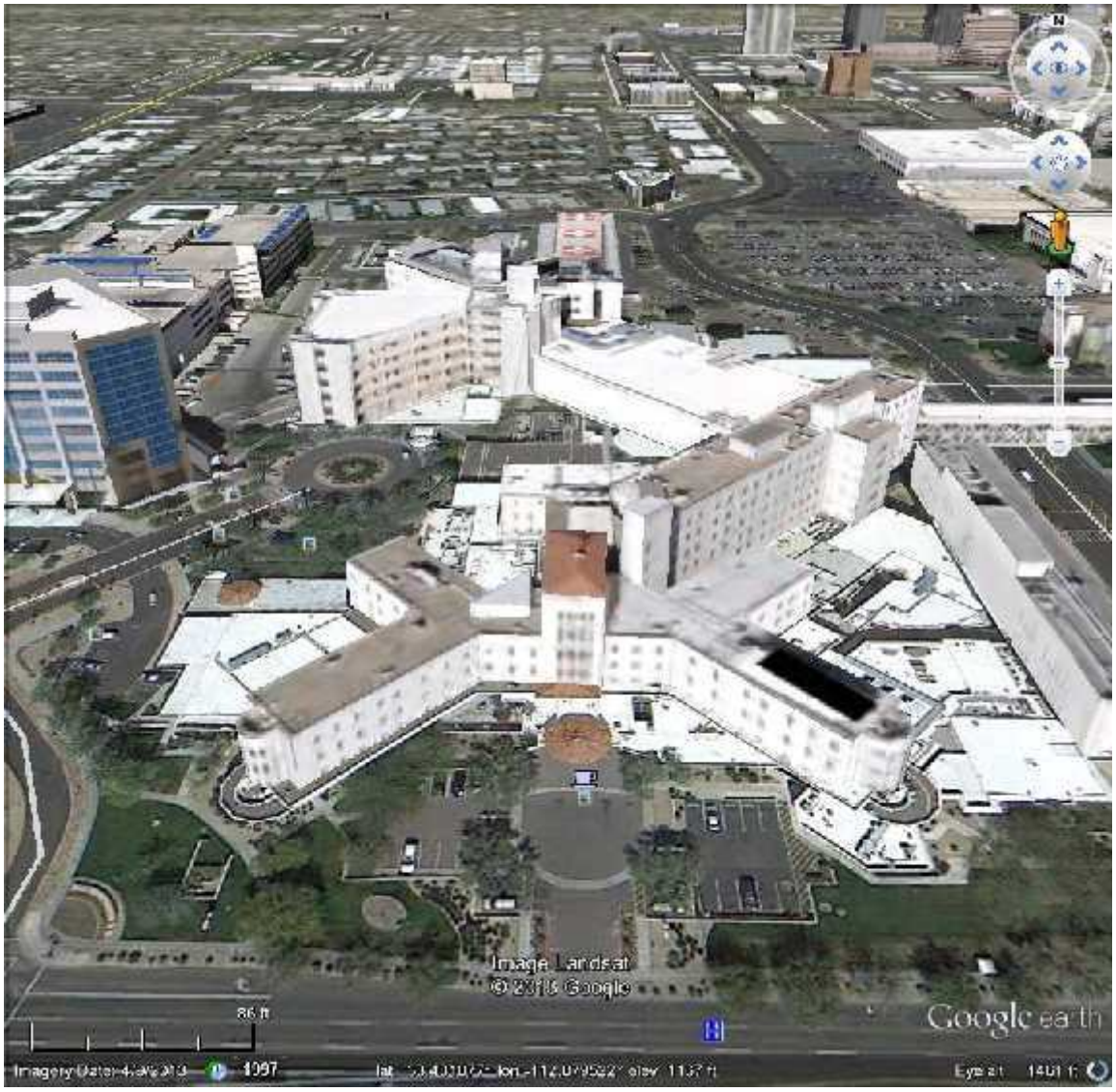
You can see that this hospital is located on the NE corner of North 7th Ave and W Thomas Road.



You can tell that Google Earth has a 3D rendering of this hospital, as it pops out of the Masking Layer.

Hold down your SHIFT KEY and press the DOWN ARROW Key to change the Tilt.

Turn OFF the Masking Layer and zoom in closer to the 3D rendering of this hospital.



Drag and Drop the Pegman Tool on the street in front of the Hospital.

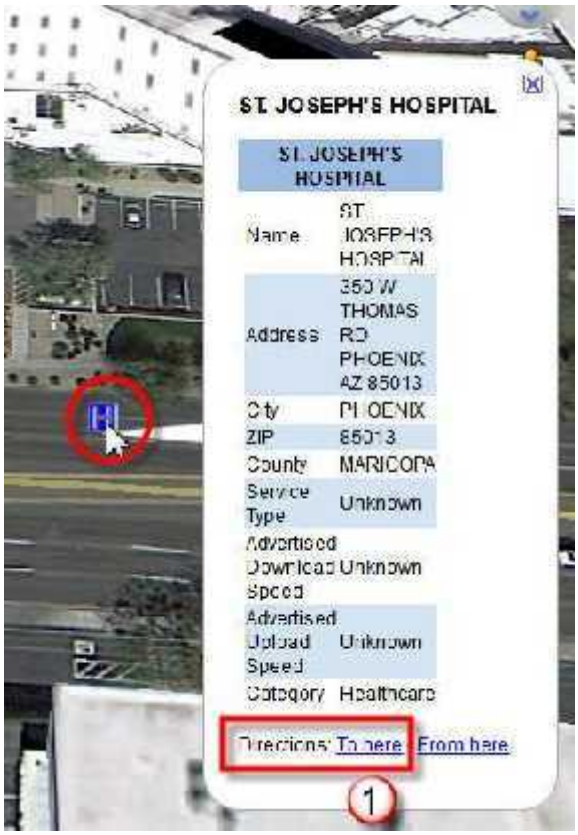
This is Google Street View showing St. Joseph's Hospital.

Exit Google Street View.

Click on the blue Hospital Symbol to open the Info Window.

How would you get to this Hospital in case of an emergency?

To get Directions, first click on To here on the Info Window.



This transfers the Latitude/Longitude Coordinates of this point in Decimal Degrees inside the Search Box within the Search Panel.

Next, click on Get Directions.

You want to find how to get to St. Joseph's Hospital from the Arizona State Land Department located at 1616 W ADAMS ST. Phoenix AZ 85007.

Enter the following start address in the text box marked A.

1616 W ADAMS ST 85007

Note: You can leave out the City and State, if you have a ZIP code.

This is your Start Point.

Your destination is St. Joseph's Hospital, as defined by the Latitude/Longitude coordinates of the Hospital Marker Symbol.

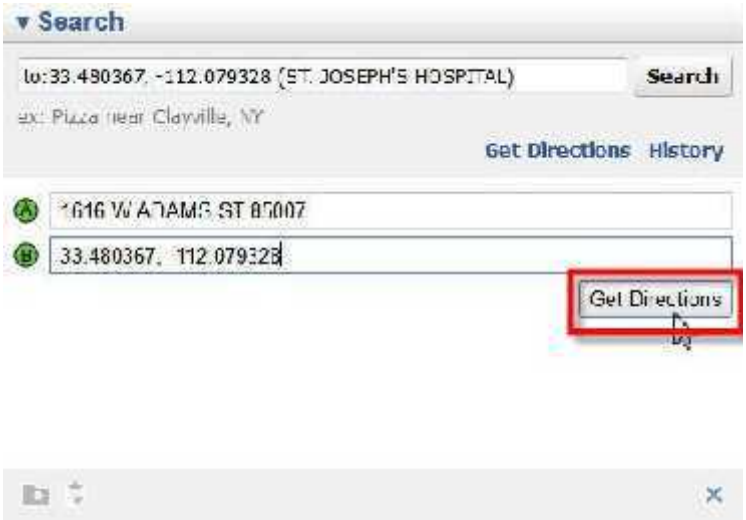
Google has already reported the Latitude/Longitude coordinates as:

33.480367, -112.079328

Copy and Paste this Latitude/Longitude Coordinate pair in Decimal Degrees into the Text Box marked B.

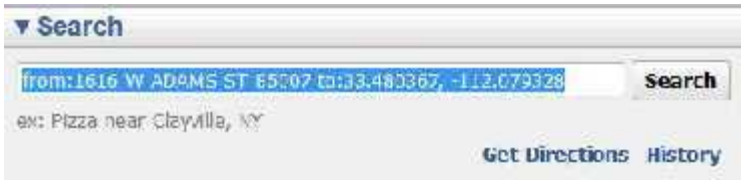
Now you have a valid Start Address, and a valid ending Coordinate.

Click, on Get Directions.



The complete Search String with the From and To components now reads:

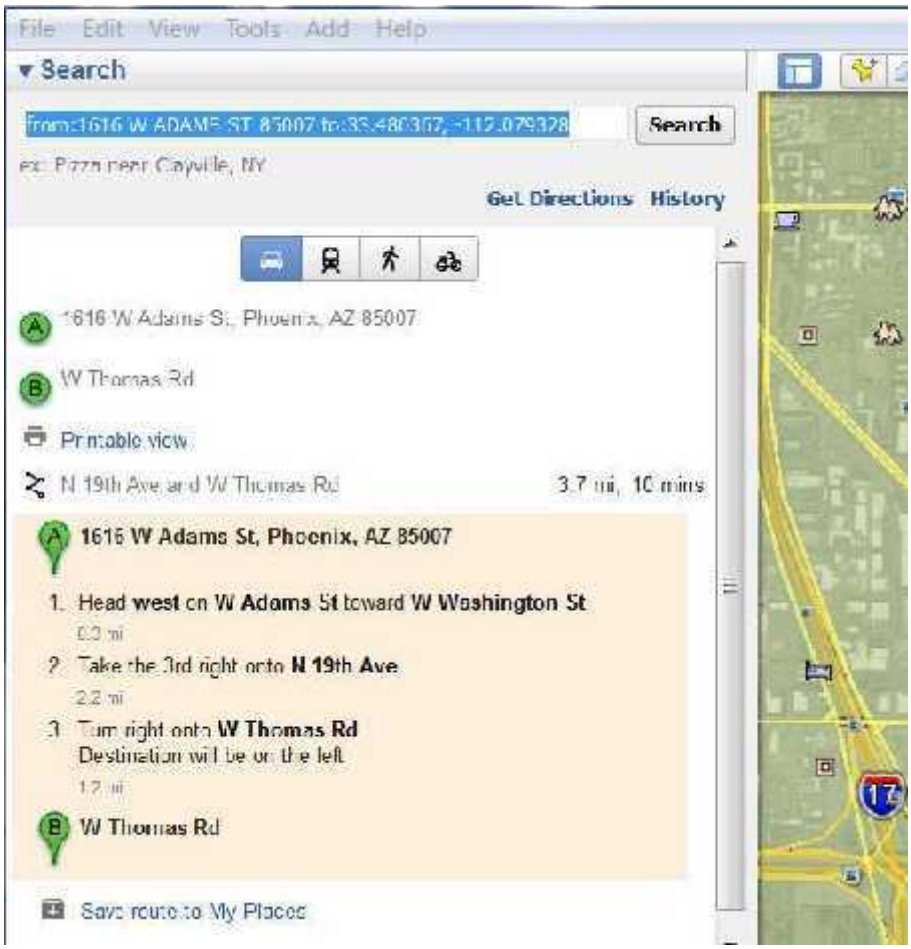
from:1616 W ADAMS ST 85007 to:33.480367, -112.079328



The journey will take 10 minutes by car in normal traffic.

It would take a lot less in an ambulance.

The distance is 3.7 miles.

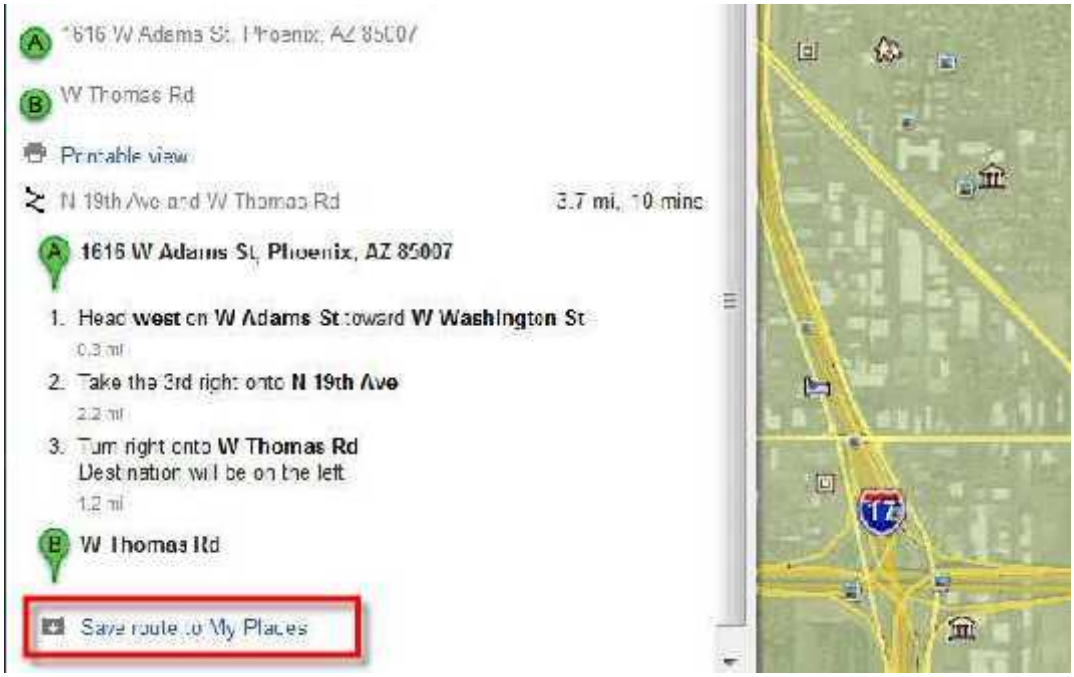


Turn ON the Masking Layer for better visibility.

The route by car is drawn in blue.

You can save this route to My Places for later use.

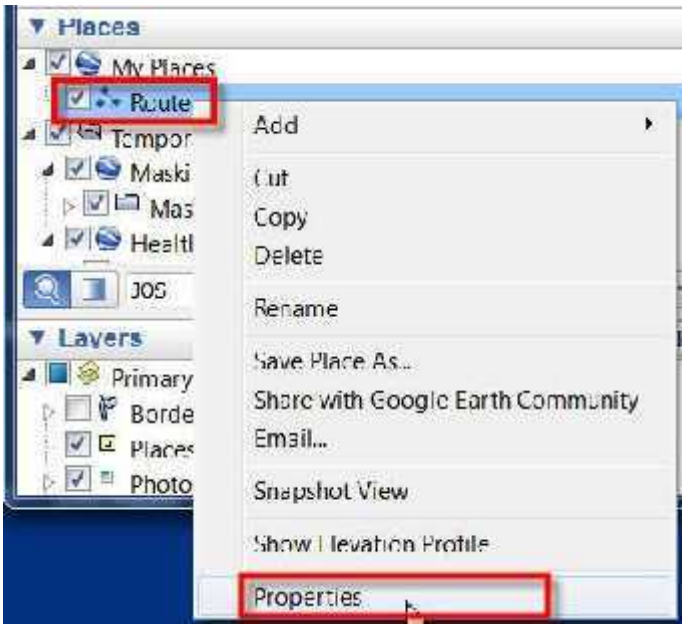
Click on Save route to My Places.



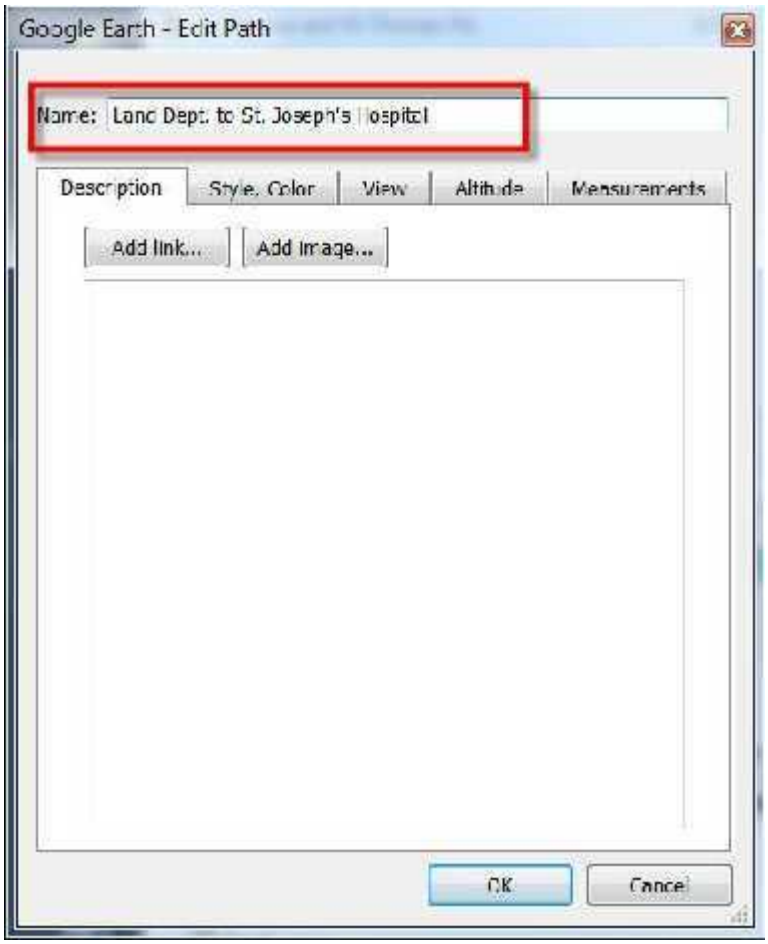
A new entry named Route is added under My Places.

However, it is good practice to give this route a distinctive name and change the properties.

Right Click on Route, and Select Properties

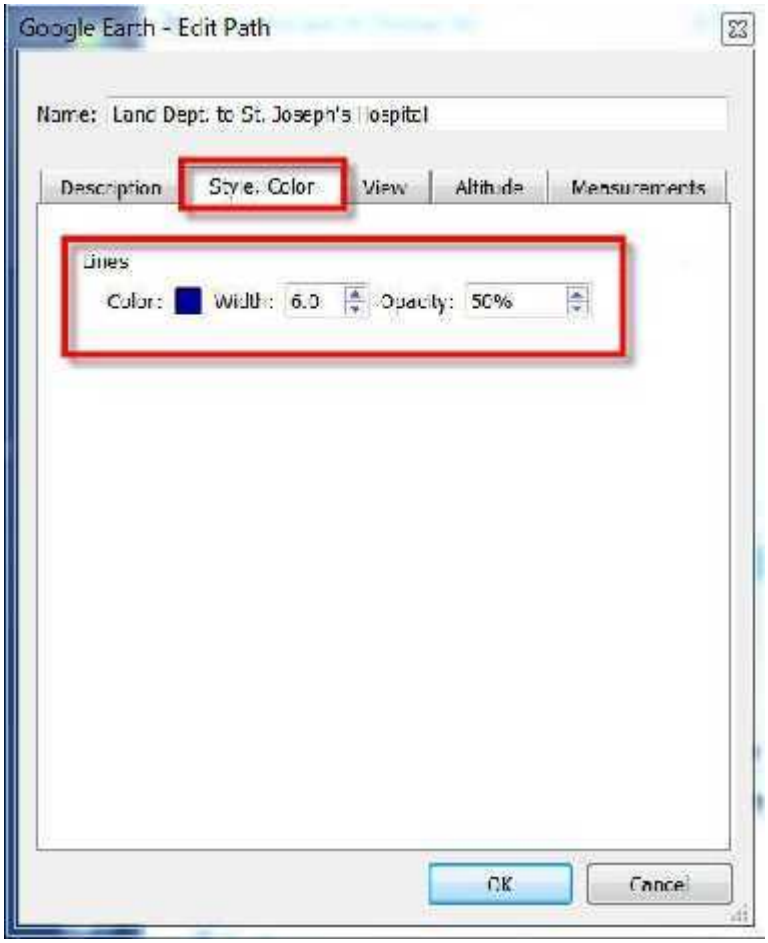


Enter Name = Land Dept. to St. Joseph's Hospital

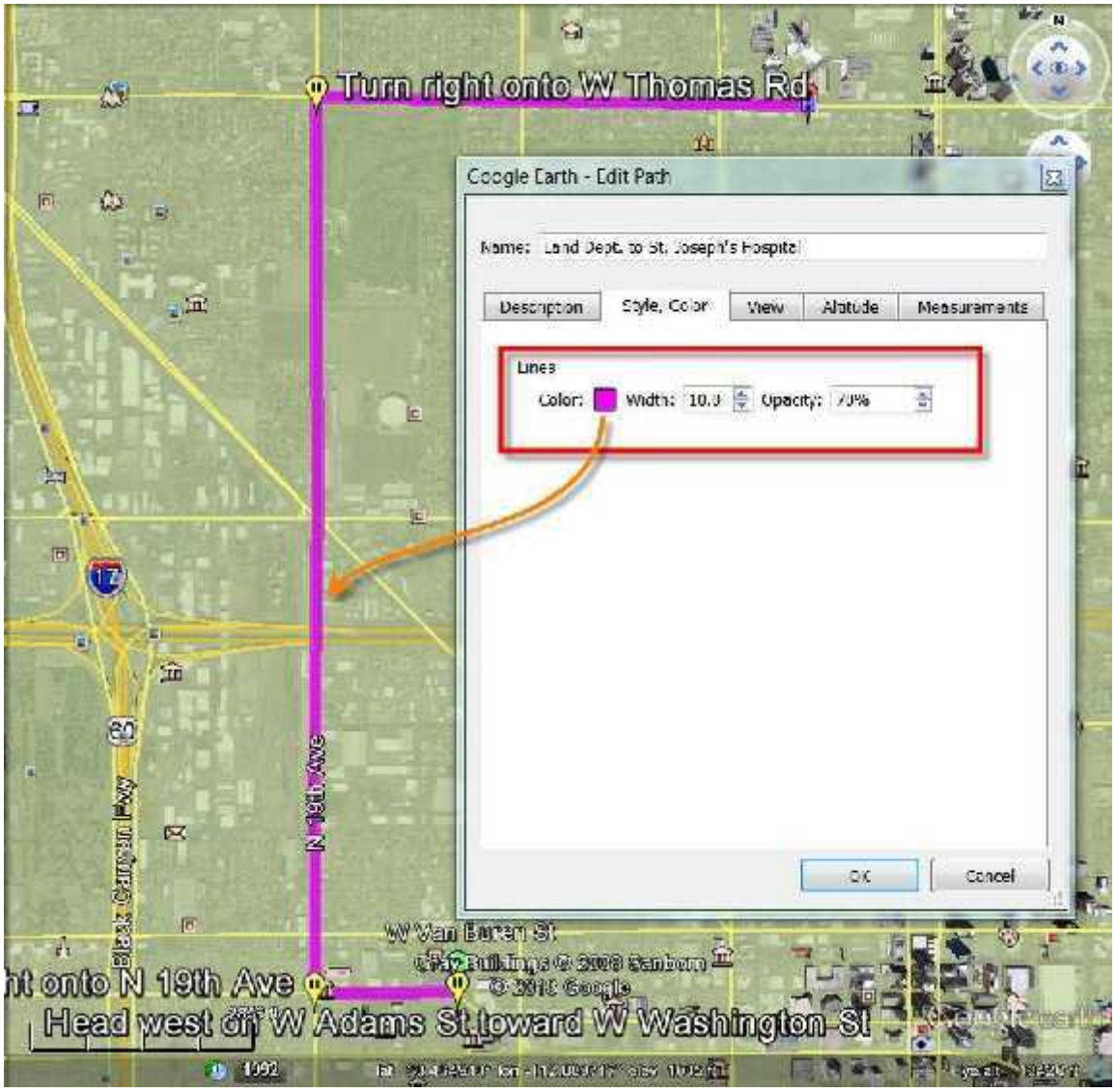


Open the Style Tab.

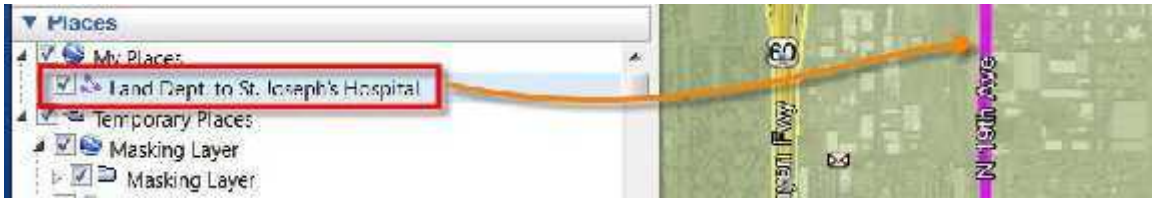
These are the current settings for the route.



Change the Line Color, Width and Opacity to make this route stand out.



Notice how the changes are reflected for the Name and Symbol of the Route under My Places.

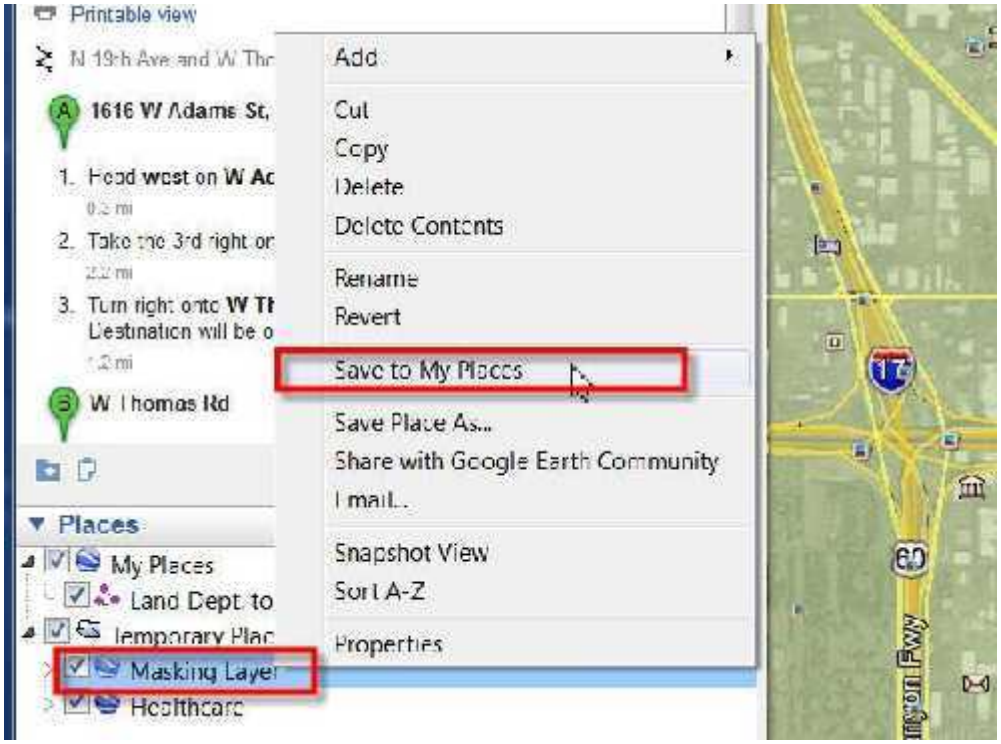


You have two layers under Temporary Places:

Masking Layer
Heathcare

Move the Masking Layer under My Places.

Right Click on Masking Layer and Save to My Places.



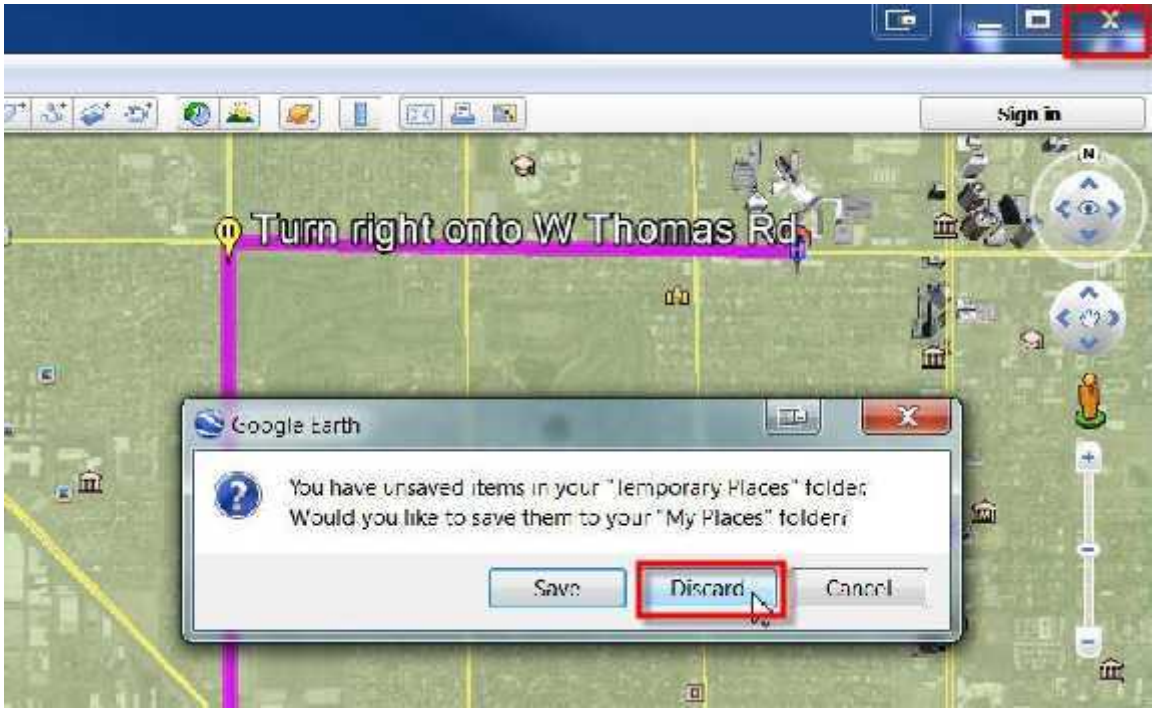
Here is what you now have under the Places Panel.

There are two data layers saved under My Places:

Land Dept. to St. Joseph's Hospital
Masking Layer

Exit Google Earth.

Press Discard in the dialog box.



Reopen Google Earth.

Google Earth will open retaining the layers you had saved under My Places.

Google will also remember the data layers that you had switched on or off in Google's Primary Database.

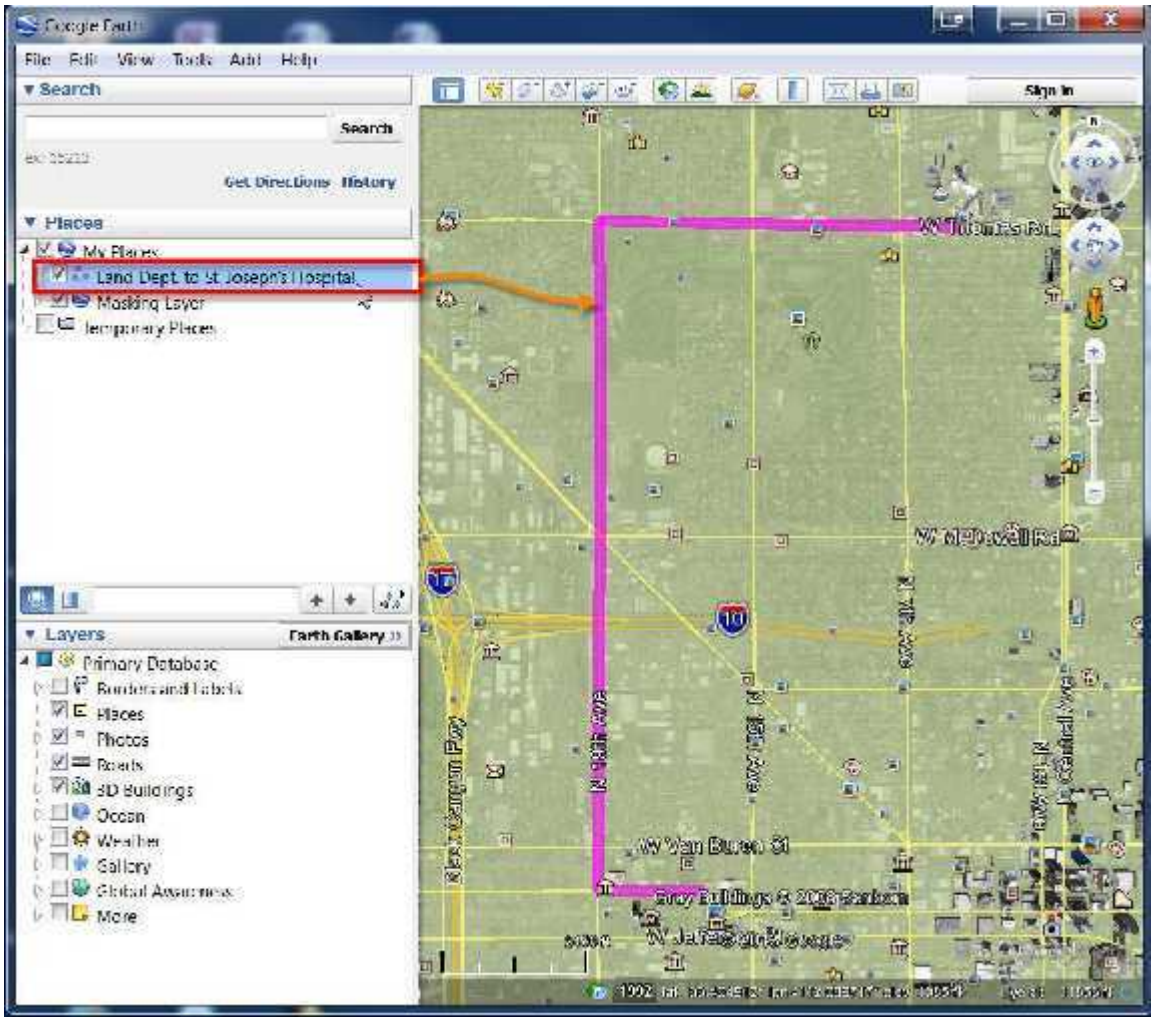
It is a good idea to have the Masking Layer under My Places.

It is also useful to have the following layers turned on in Google's Primary Database.

Places
Photos
Roads
3D Buildings

You can easily navigate back to your saved route that takes you from the Land Department to St. Joseph's Hospital.

Double Click on the saved route under My Places.



As you can see, Google Earth is an extremely user friendly 3D viewer. All of its controls are intuitive, and does not require the end user to study a manual.

It adds powerful 3D viewing capabilities including routing, to existing Broadband Data Layers.

Viewing the Secondary School Districts

Open Secondary.kmz under School Districts.

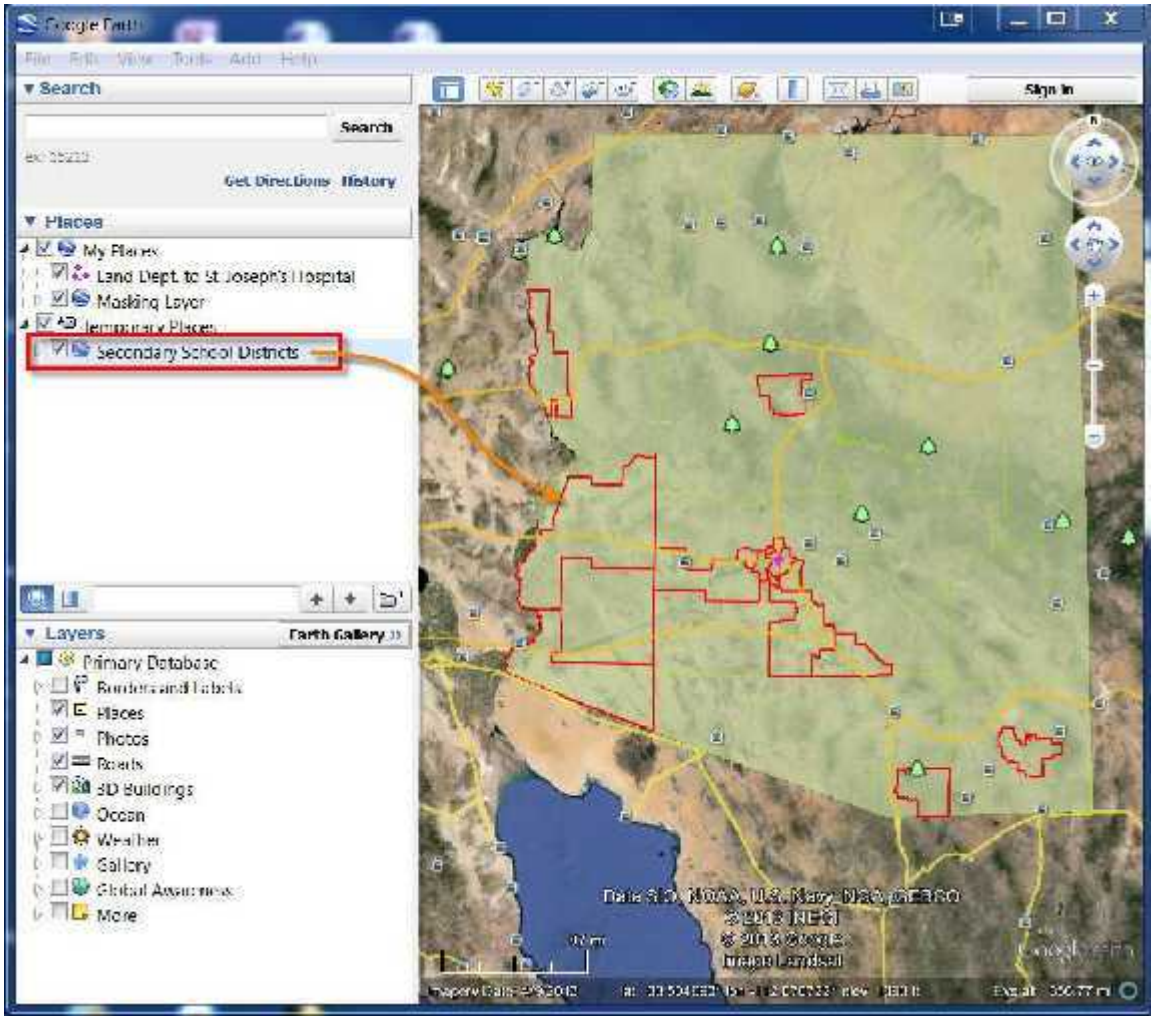
School Districts

Layer Name	Description	Number of Features	File Size	KMZ File
Secondary School Districts	Secondary School Districts in Arizona	15 Polygons	112 KB	Secondary.kmz
Elementary School Districts	Elementary School Districts in Arizona	104 Polygons	472 KB	Elementary.kmz
Unified School Districts	Unified School Districts in Arizona	98 Polygons	734 KB	Unified.kmz

Notice, how the map Zooms Out immediately to the extents of the Secondary School Districts Layer.

This can be annoying, as you lose your original viewing extent.

There is a way to stop this animation by hitting the Space Bar the moment the data begins to load.



Delete the Secondary School Districts under Temporary Places.
Go back to your original viewing extent by double clicking on your saved Route.

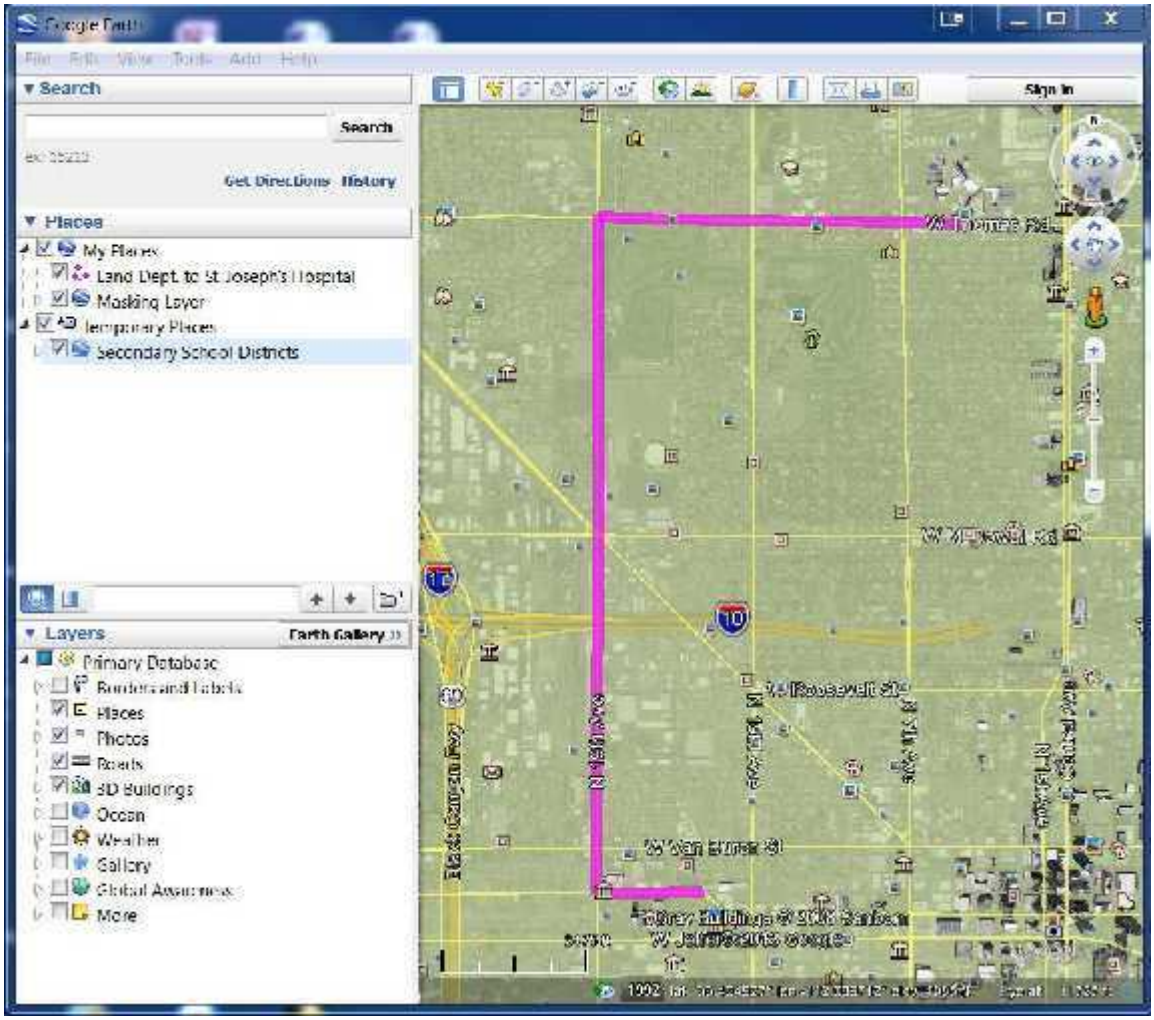
Once again, open Secondary.kmz from:

http://broadbandmap.az.gov/web/kmz/list.htm

Just as the data layer begins to load, hit the Space Bar immediately!

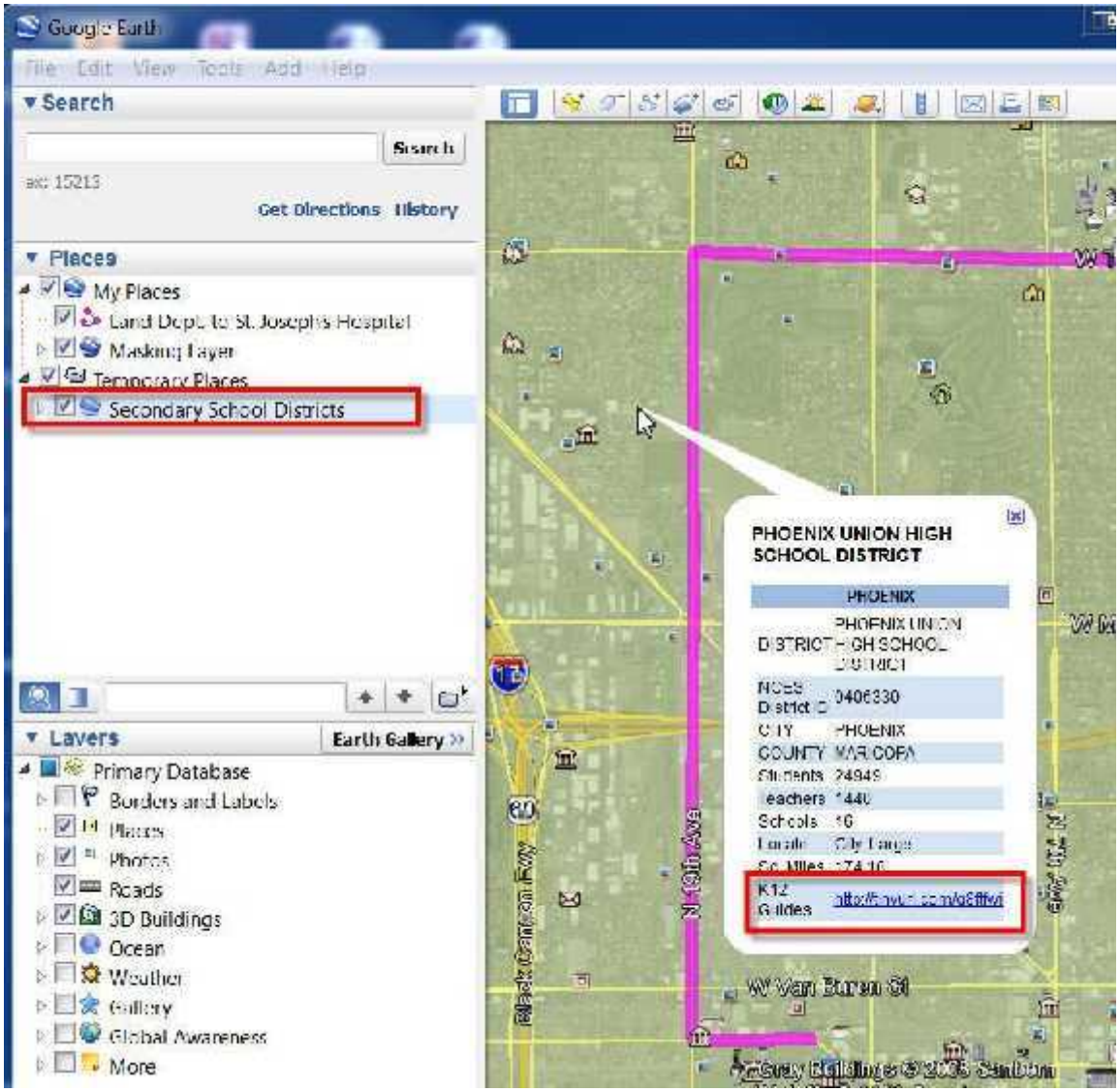
This will stop the animation.

Your original viewing extent will be preserved.



Click anywhere on the map.

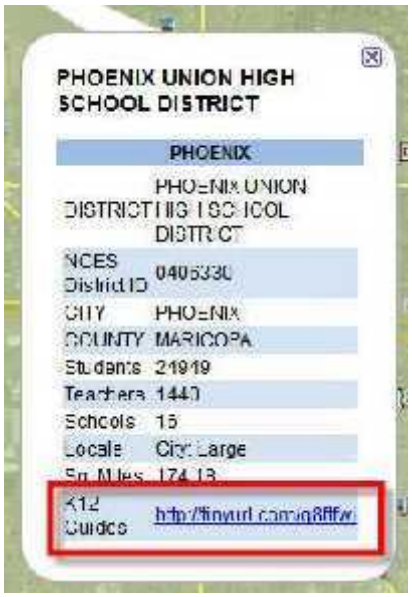
An Info Window will pop up showing the Attributes of this Secondary School District.



The 7-character NCES District ID of Phoenix Union High School District is 0406330.

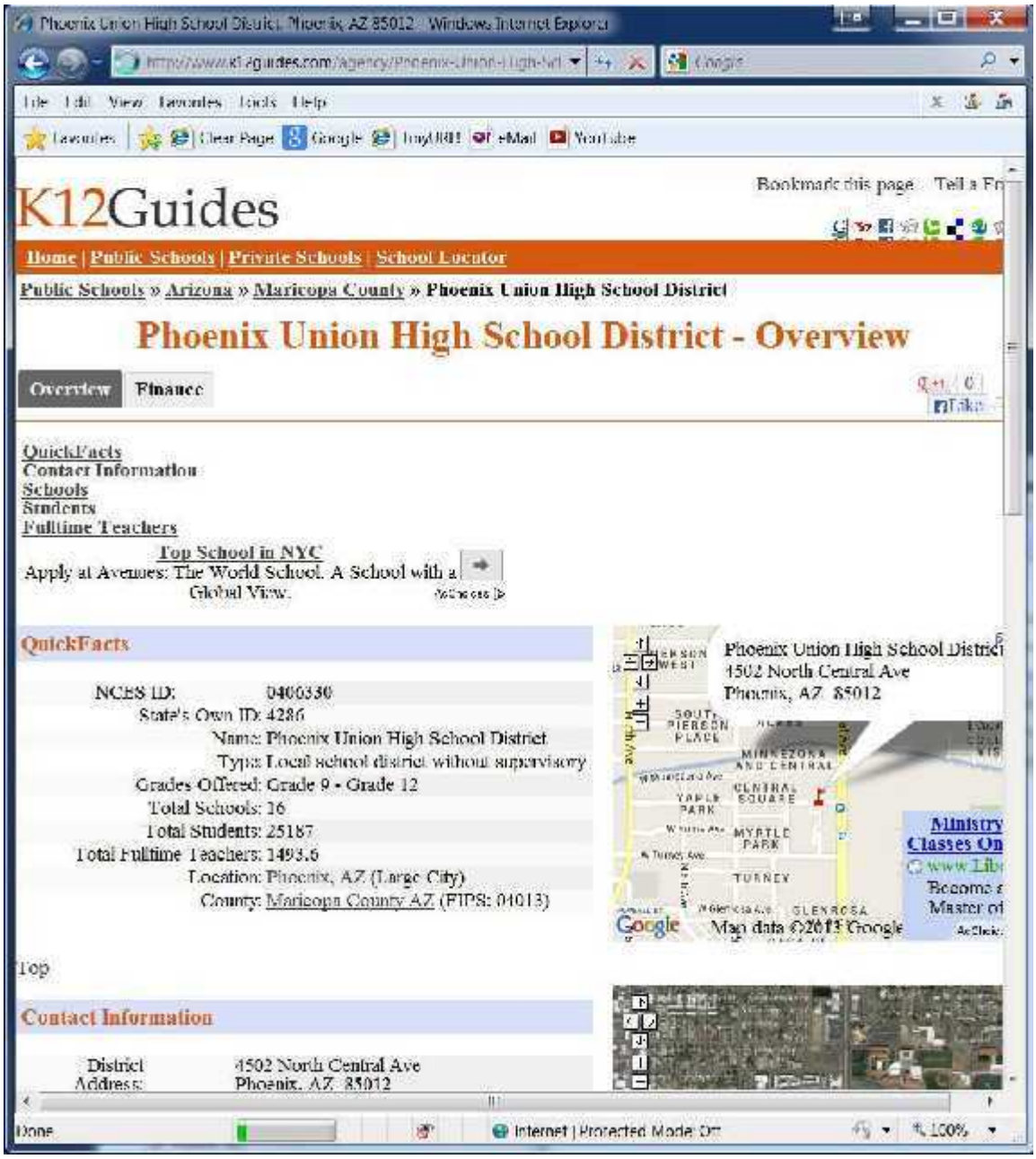
The two leading characters 04 relate to the State Code for Arizona.

The Schools within this Secondary School District have a longer 12-character NCES School ID.



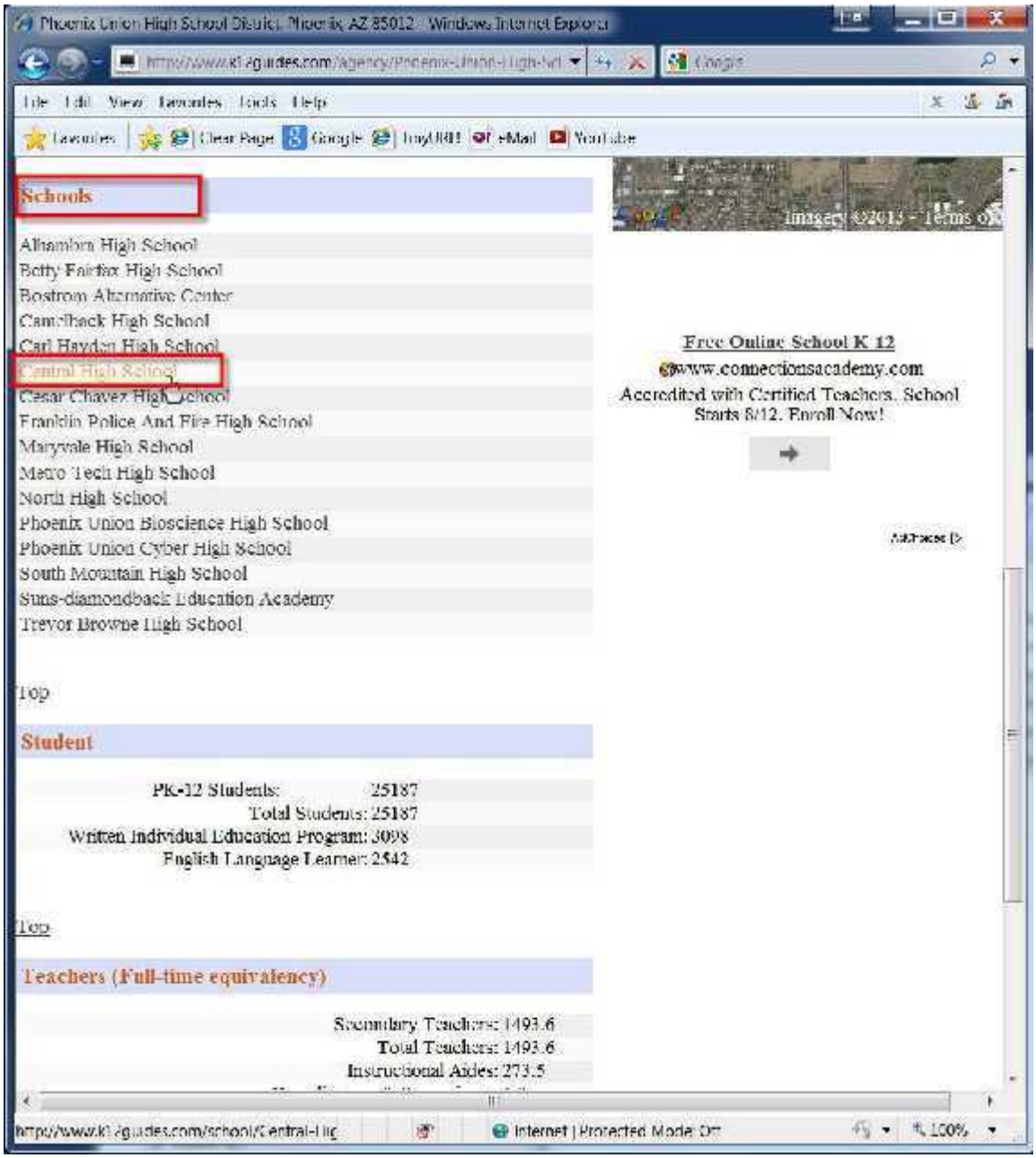
There are 24,949 students according to NCES data.
There are 1440 Teachers dispersed amongst 16 schools.
This School District is within a Large City.

Click on the K12 Guides Link to view more details about this School District.

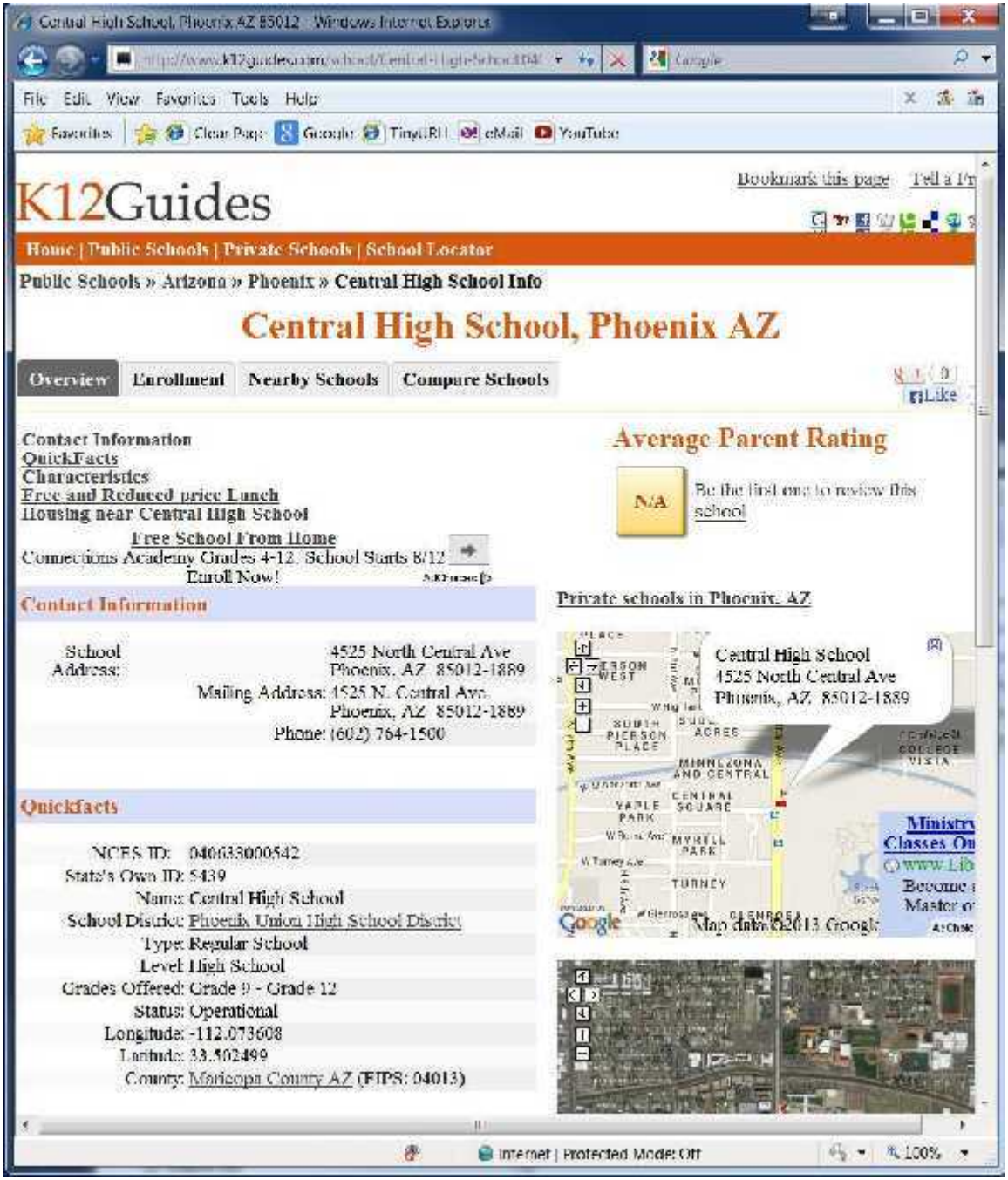

K12Guides
Home | Public Schools | Private Schools | School Locator
Public Schools » Arizona » Maricopa County » Phoenix Union High School District
Phoenix Union High School District - Overview
Overview
Finance
QuickFacts
Contact Information
Schools
Students
Fulltime Teachers
Top School in NYC
Apply at Avenues: The World School. A School with a Global View.
QuickFacts
NCES ID: 0400330
State's Own ID: 4286
Name: Phoenix Union High School District
Type: Local school district without supervisory
Grades Offered: Grade 9 - Grade 12
Total Schools: 16
Total Students: 25187
Total Fulltime Teachers: 1493.6
Location: Phoenix, AZ (Large City)
County: Maricopa County AZ (FIPS: 04013)
Phoenix Union High School District
1502 North Central Ave
Phoenix, AZ 85012
Map data ©2013 Google
Top
Contact Information
District Address:
1502 North Central Ave
Phoenix, AZ 85012

Scroll down to the Schools Section.
There are links to 16 Schools within this Secondary School District.

Click on Central High School



The 12-character NCES School ID = 040633000542



This helps you to drill down from the District Level to the School Level.

Viewing the Congressional Districts

Open Congressional.kmz

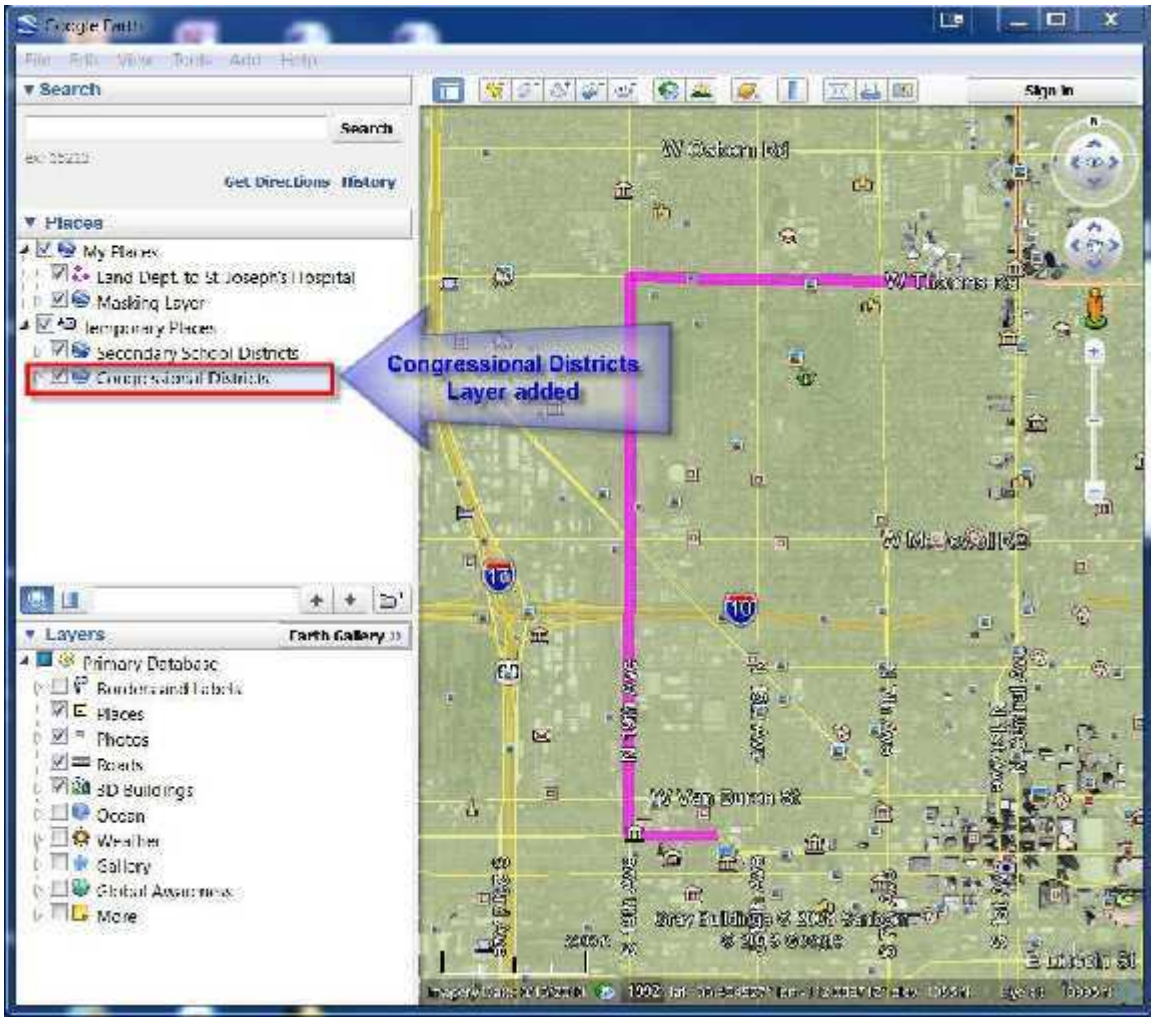
Political Districts

Layer Name	Description	Number of Features	File Size	KMZ File
Congressional Districts	Congressional Districts in Arizona	9 Polygons	592 KB	Congressional.kmz
Legislative Districts	Legislative Districts in Arizona	30 Polygons	948 KB	Legislative.kmz

Remember, to hit the Space Bar the moment the data begins to load.

It does not hurt to keep hitting your space bar several times as the data is loading.

If you do not, the map will zoom out to the extents of Arizona.

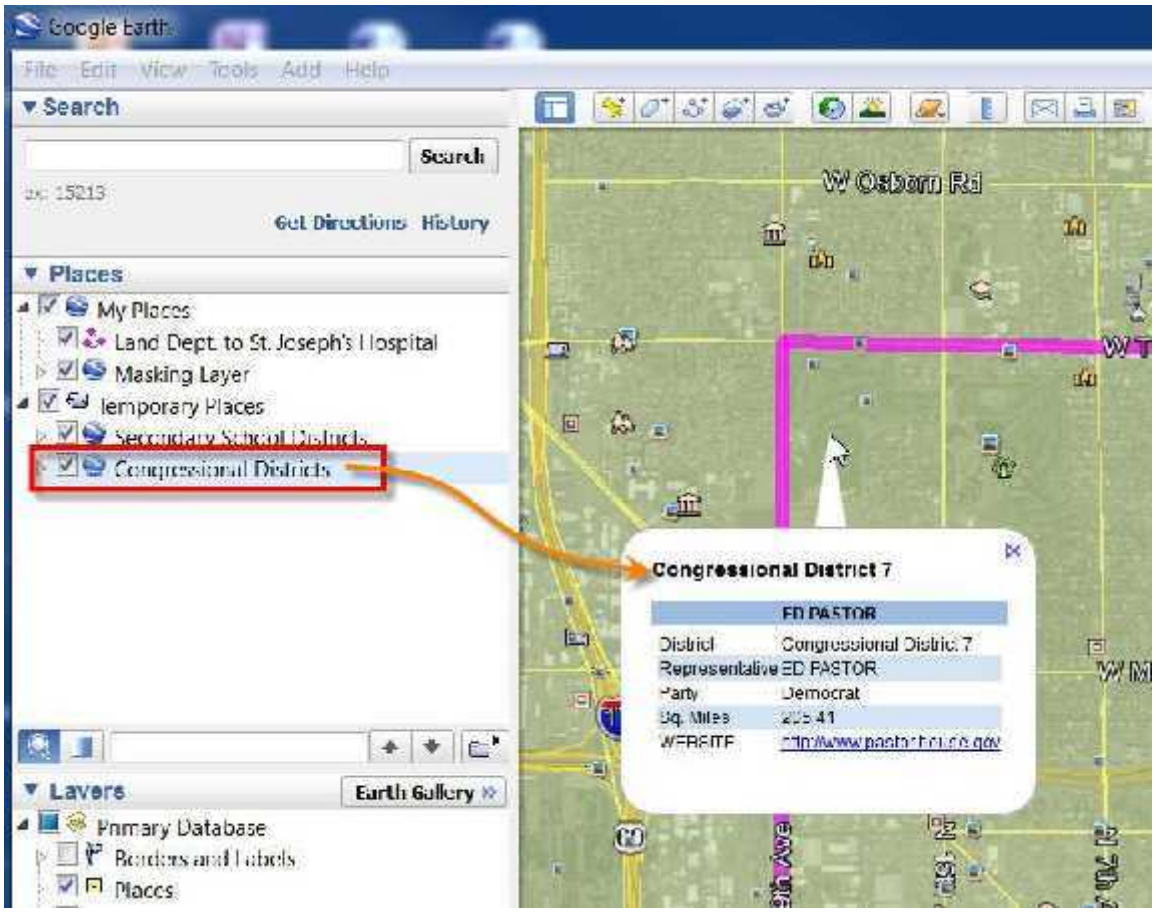


You do not see the Congressional District boundaries as you are zoomed in too close. This is ok.

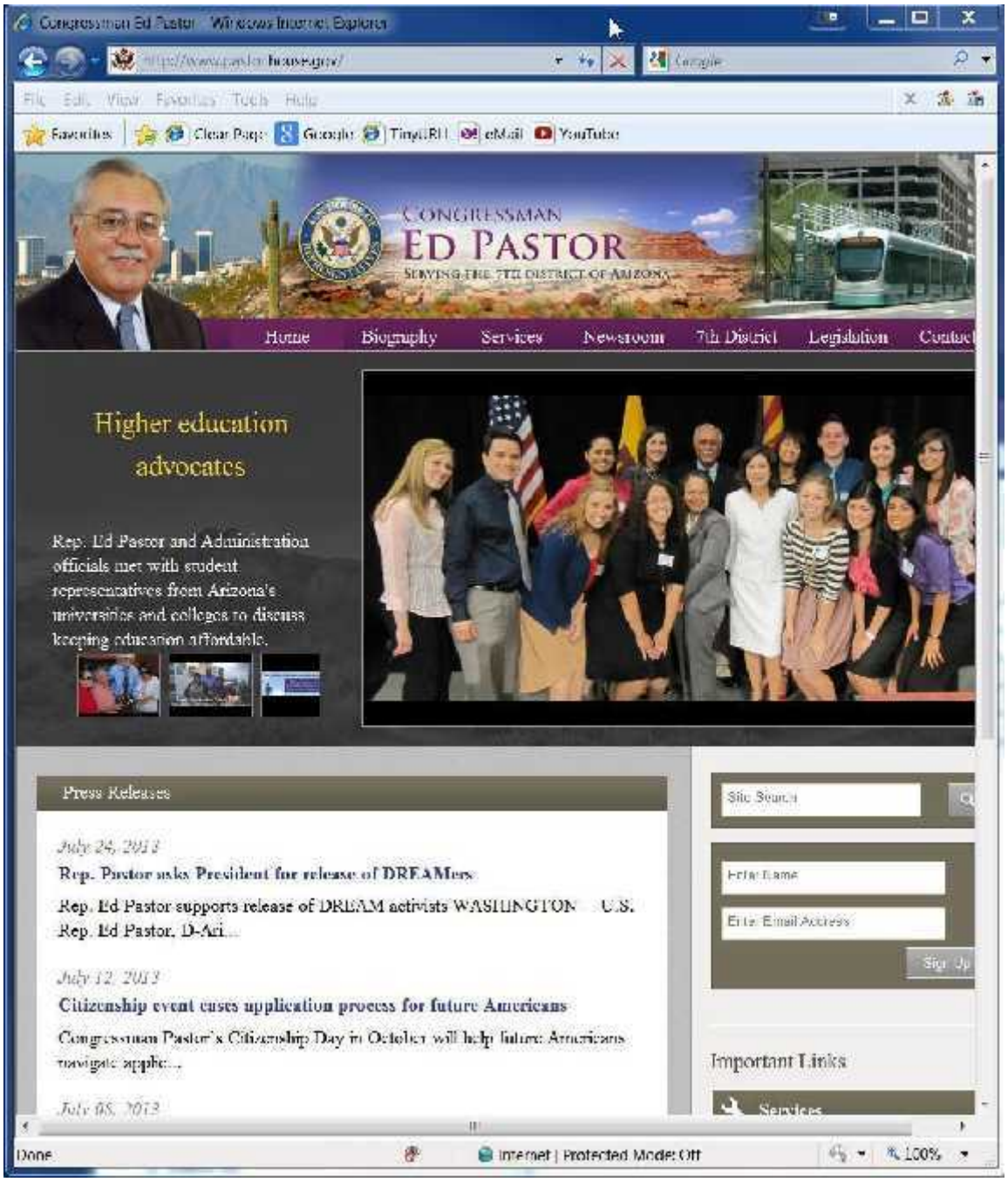
What you want to find is what Congressional District this region falls upon.

Click on the map.

An Info Window will appear showing that you are in Arizona Congressional District number 7, represented by Senator Ed Pastor.



Click on the WEBSITE link to visit your Senator's official home page.


Congressman Ed Pastor - Windows Internet Explorer
File Edit View Favorites Tools Help
Favorites
Clear Page
Google
TinyURL
eMail
YouTube
CONGRESSMAN
ED PASTOR
SERVING THE 7TH DISTRICT OF ARIZONA
Home
Biography
Services
Newsroom
7th District
Legislation
Contact
Higher education advocates
Rep. Ed Pastor and Administration officials met with student representatives from Arizona's universities and colleges to discuss keeping education affordable.
Press Releases
July 24, 2013
Rep. Pastor asks President for release of DREAMers
Rep. Ed Pastor supports release of DREAM activists WASHINGTON U.S. Rep. Ed Pastor, D-Ari...
July 12, 2013
Citizenship event eases application process for future Americans
Congressman Pastor's Citizenship Day in October will help future Americans navigate applic...
July 05, 2013
Site Search
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Sign Up
Important Links
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Done
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100%

Viewing the Zipcodes Data Layer

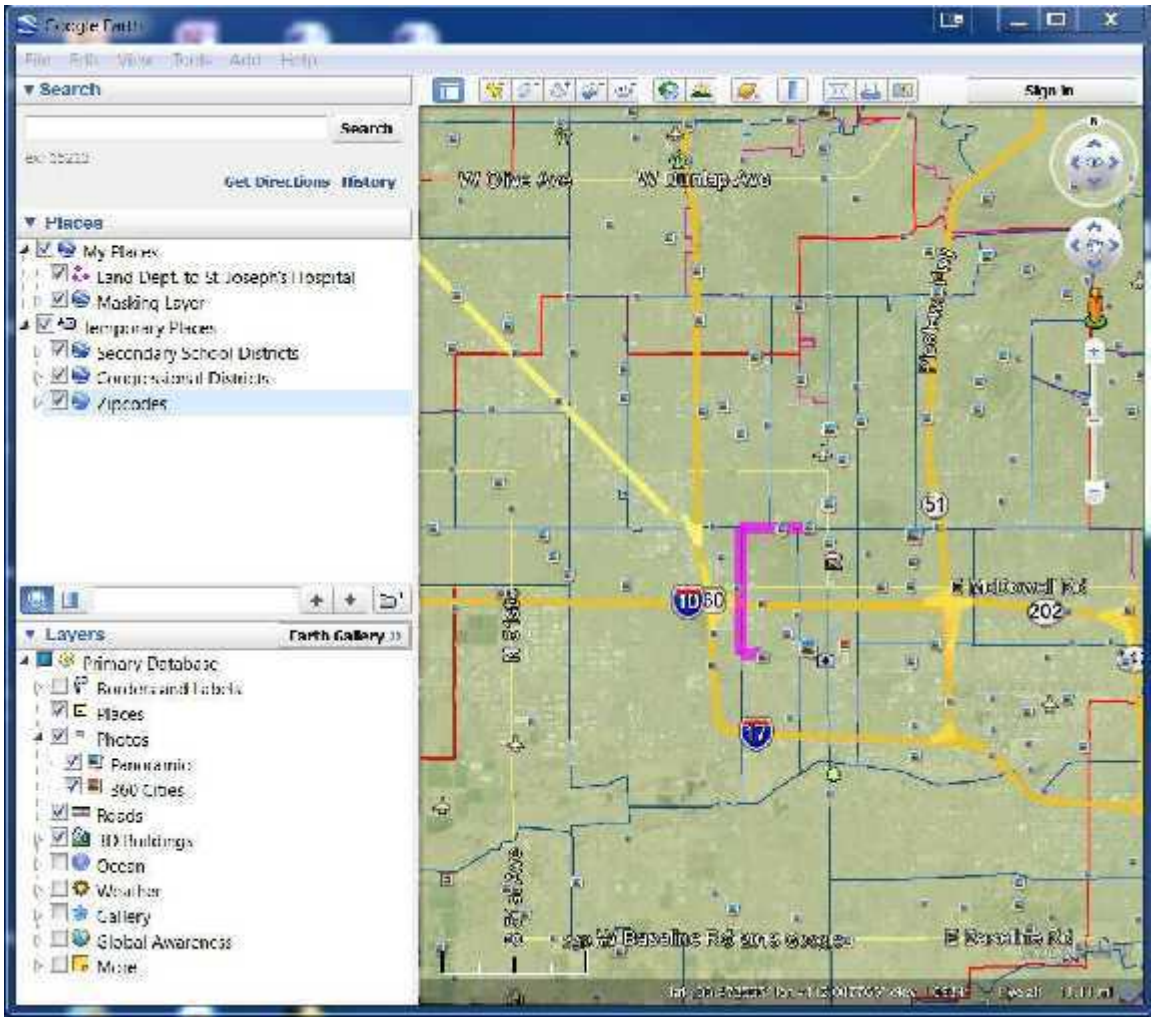
Open Zipcodes.kmz under Spatial References.

Spatial References

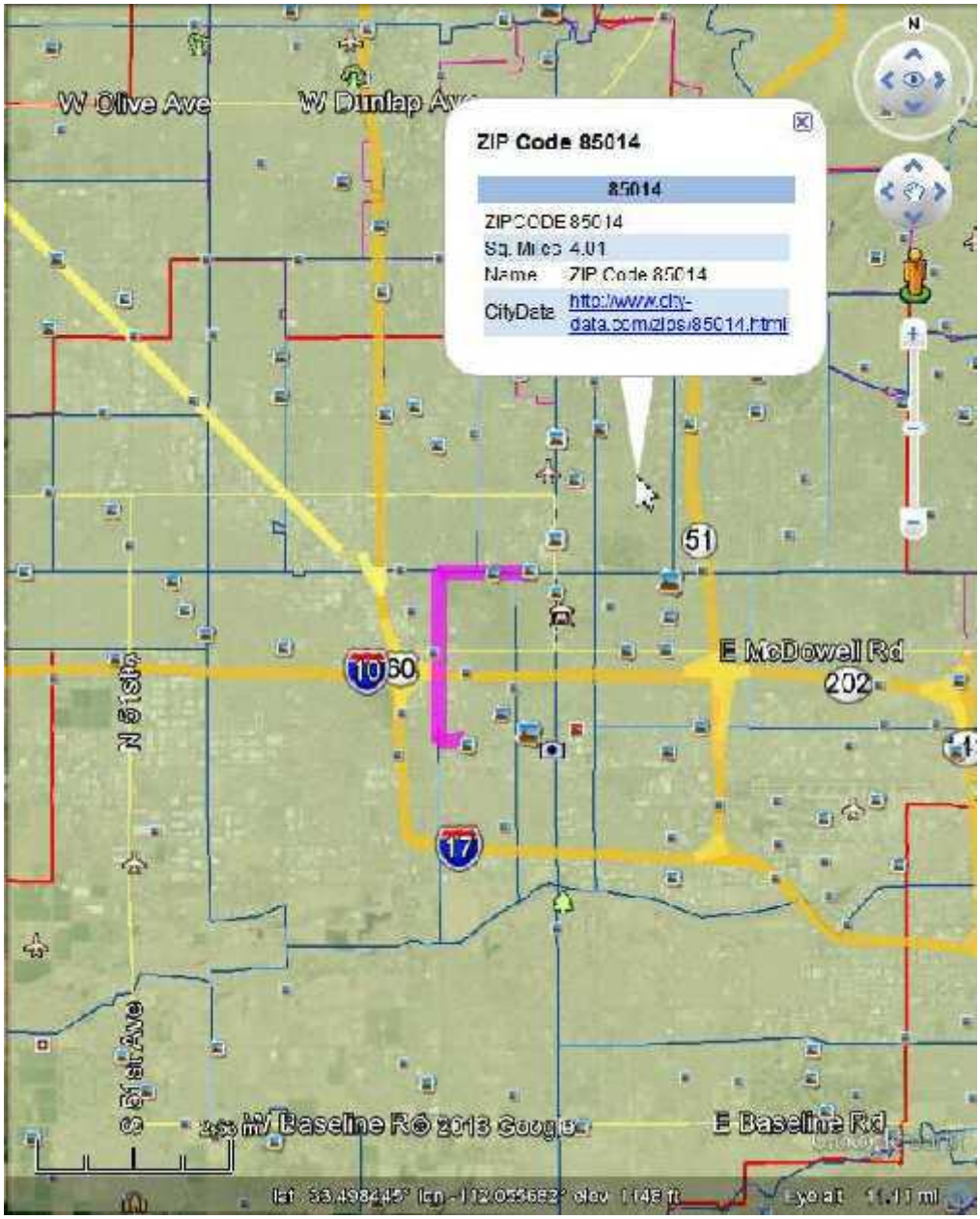
Layer Name	Description	Number of Features	File Size	KMZ File
ZIP Codes	Major ZIP Code boundaries in Arizona	332 Polygons	170 KB	Zipcodes.kmz
Townships	Township and Range lines in Arizona	2,977 Polygons	1,062 KB	Townships.kmz
Sections	Section lines in Arizona	97,725 Polygons	6,500 KB	Sections.kmz
TileIndex	Tile Index in Arizona. Each Tile spans 30 mins x 30 mins	133 Polygons	16 KB	TileIndex.kmz
QuadIndex	Quad Index in Arizona. Each Quadrangle spans 7.5 mins x 7.5 mins	1,931 Polygons	104 KB	QuadIndex.kmz

Remember, to hit the Space Bar just before the data begins to load.

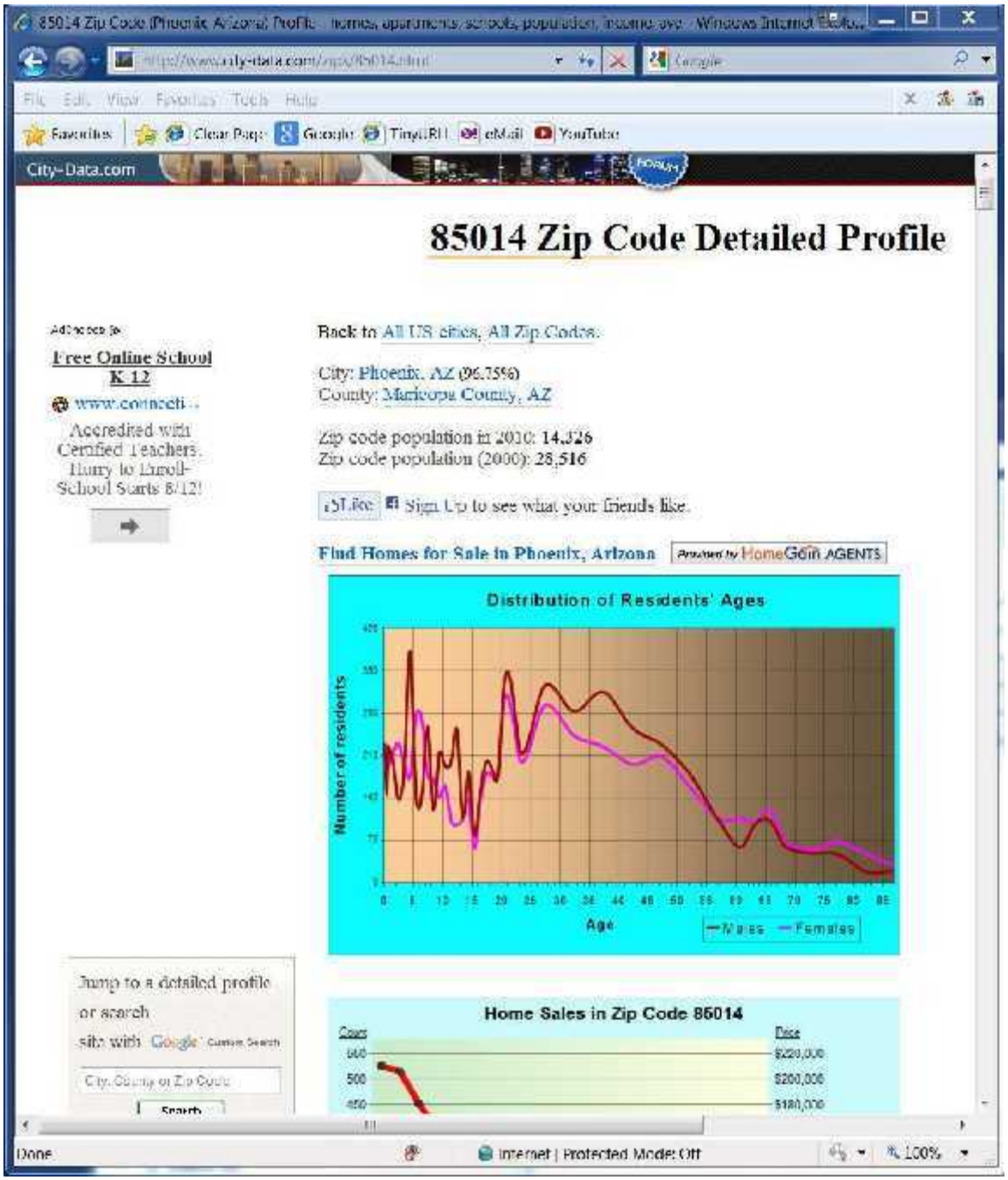
The ZIP code boundaries will draw in blue.


Google Earth
Search
Get Directions
History
Places
My Places
Land Dept. to St Joseph's Hospital
Masking Layer
Temporary Places
Secondary School Districts
Congressional Districts
Zipcodes
Layers
Earth Gallery
Primary Database
Borders and Labels
Places
Photos
Panoramic
360 Cities
Roads
3D Buildings
Ocean
Weather
Gallery
Global Awareness
More
Sign In
W Olive Ave
W Dunlap Ave
E McDowell Rd
E Baseline Rd
W Baseline Rd and Google
51
202
10
17

Click on any point on the map to see what ZIP Code it falls under.



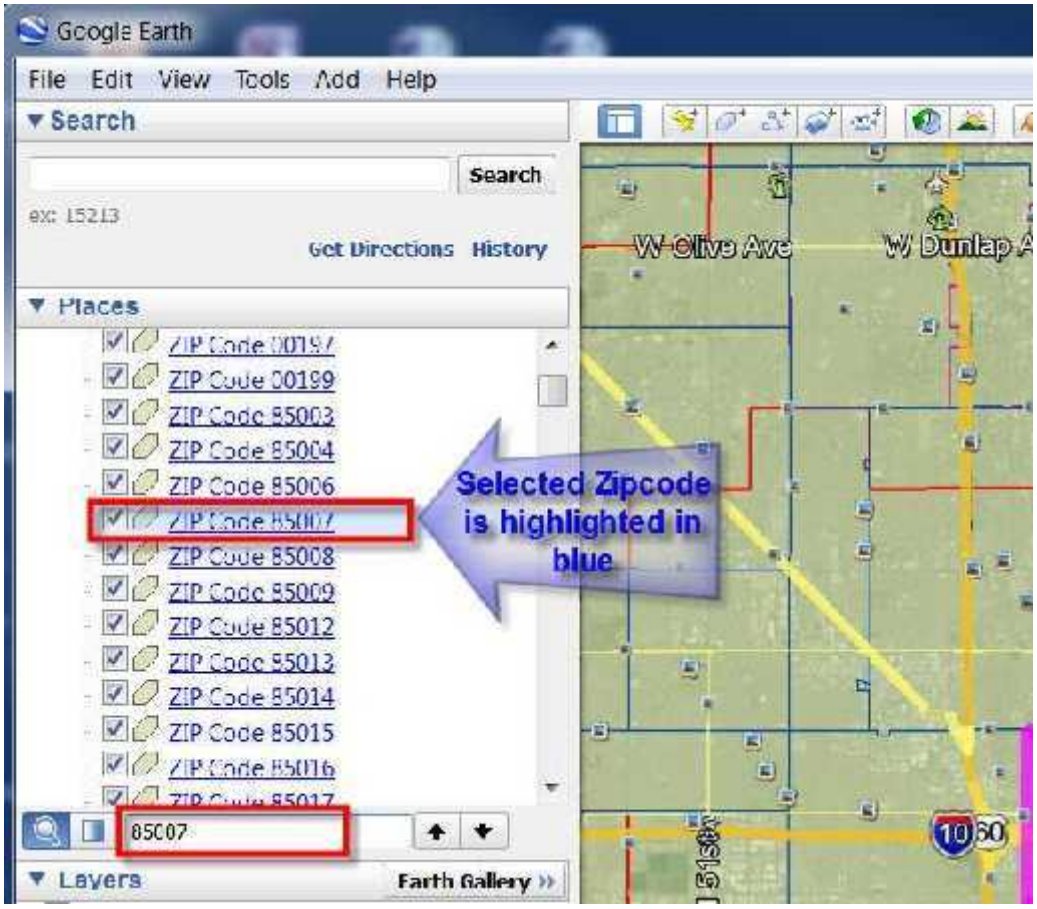
Click on the CityData Link to view a detailed profile on this ZIP Code.


City-Data.com
85014 Zip Code Detailed Profile
Free Online School K-12
Back to All US cities, All Zip Codes.
City: Phoenix, AZ (96.75%)
County: Maricopa County, AZ
Zip code population in 2010: 14,326
Zip code population (2000): 28,516
Find Homes for Sale in Phoenix, Arizona
Distribution of Residents' Ages
Number of residents
Age
Males
Females
Home Sales in Zip Code 85014
Jump to a detailed profile or search site with Google
Done

To zoom to a specific ZIP Code, just enter a 5-digit ZIP Code in the Search Box.

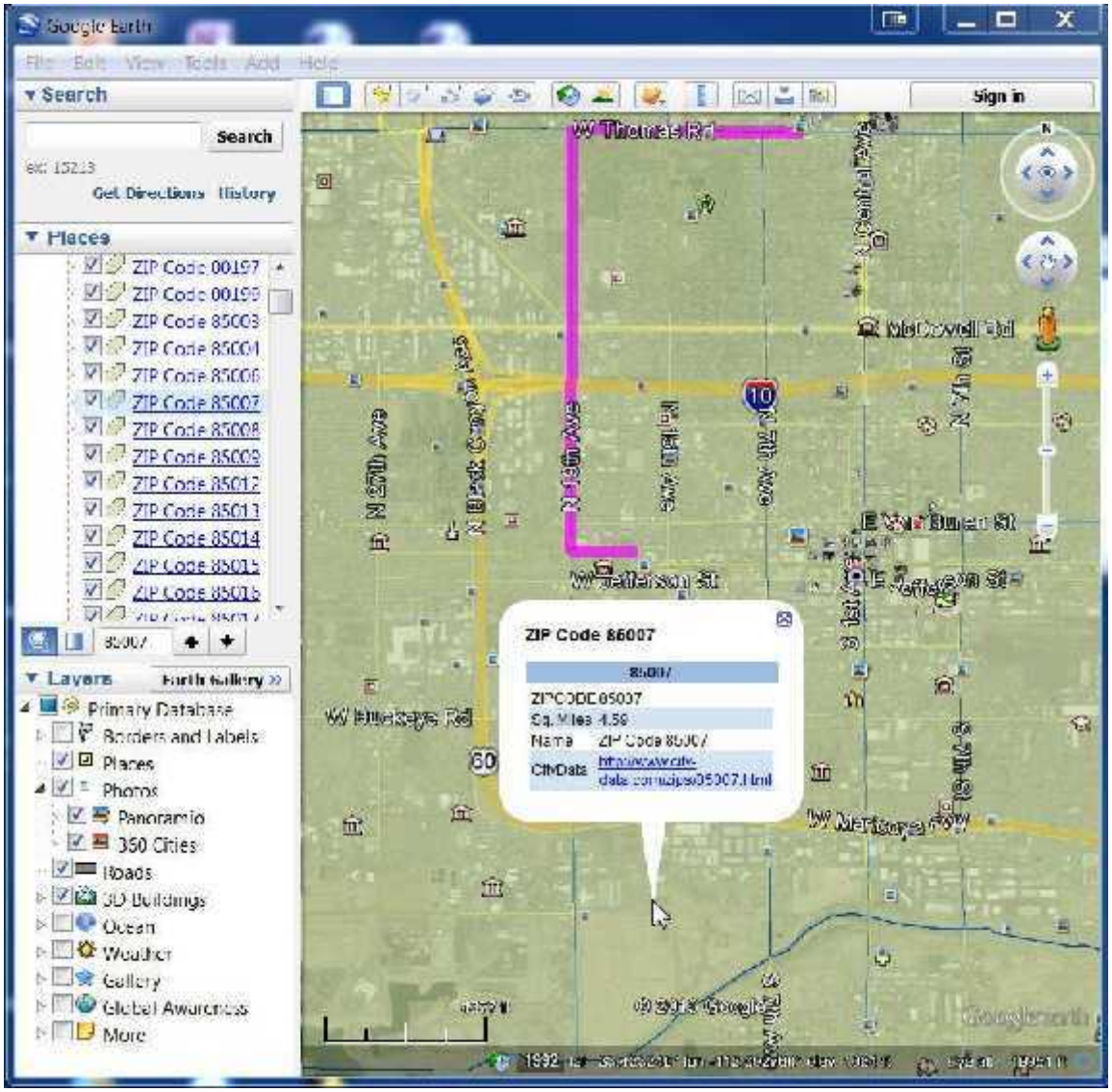
Example: 85007

The selected ZIP Code record is highlighted in blue.

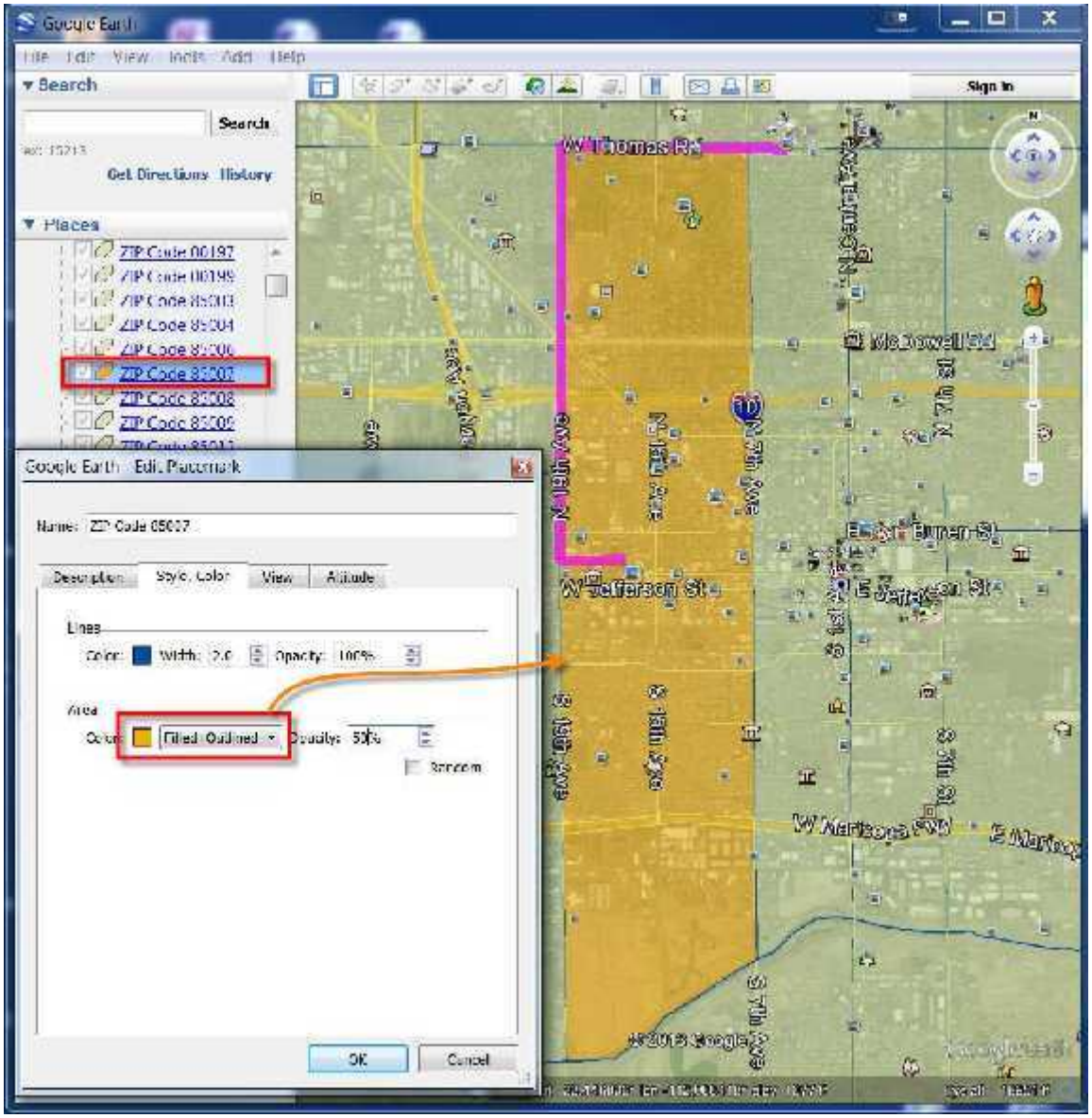


Double Click on this selected record.

The map will zoom to ZIP Code 85007



You can alter the Properties of ZIP Code 85007 to make it stand out.



Viewing the Places Data Layer

Open Places.kmz

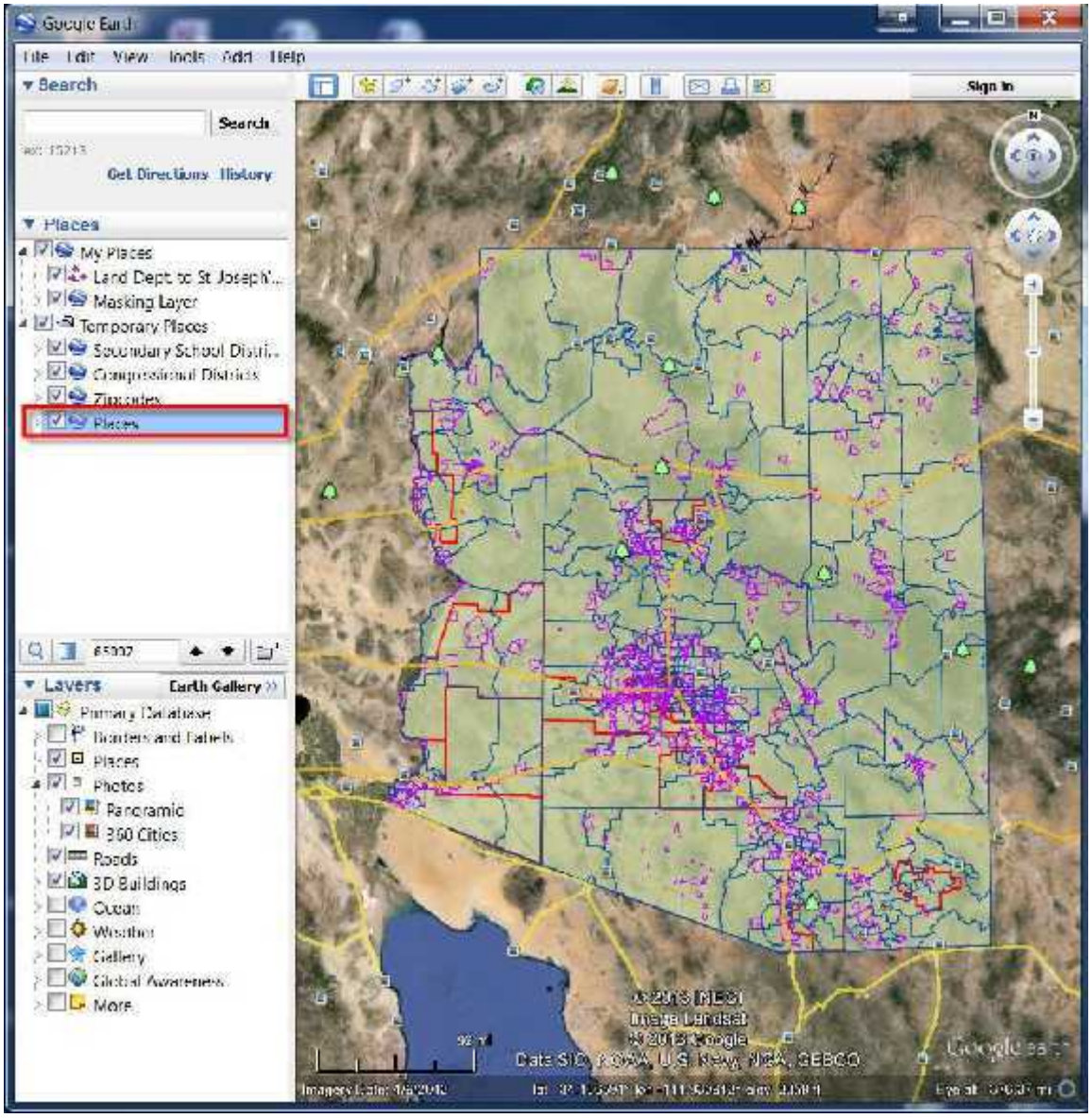
2010 Census Boundaries

Layer Name	Description	Number of Features	File Size	KMZ File
County Boundaries	County boundaries in Arizona	15 Polygons	609 KB	County.kmz
Places	Census Designated Places in Arizona (Includes Cities and Towns)	451 Polygons	1,618 KB	Places.kmz
Census Tracts	Census Tracts in Arizona	1,526 Polygons	4,886 KB	CensusTracts.kmz

Do not hit the space bar this time!

Allow the data layer to load and zoom out to Arizona.

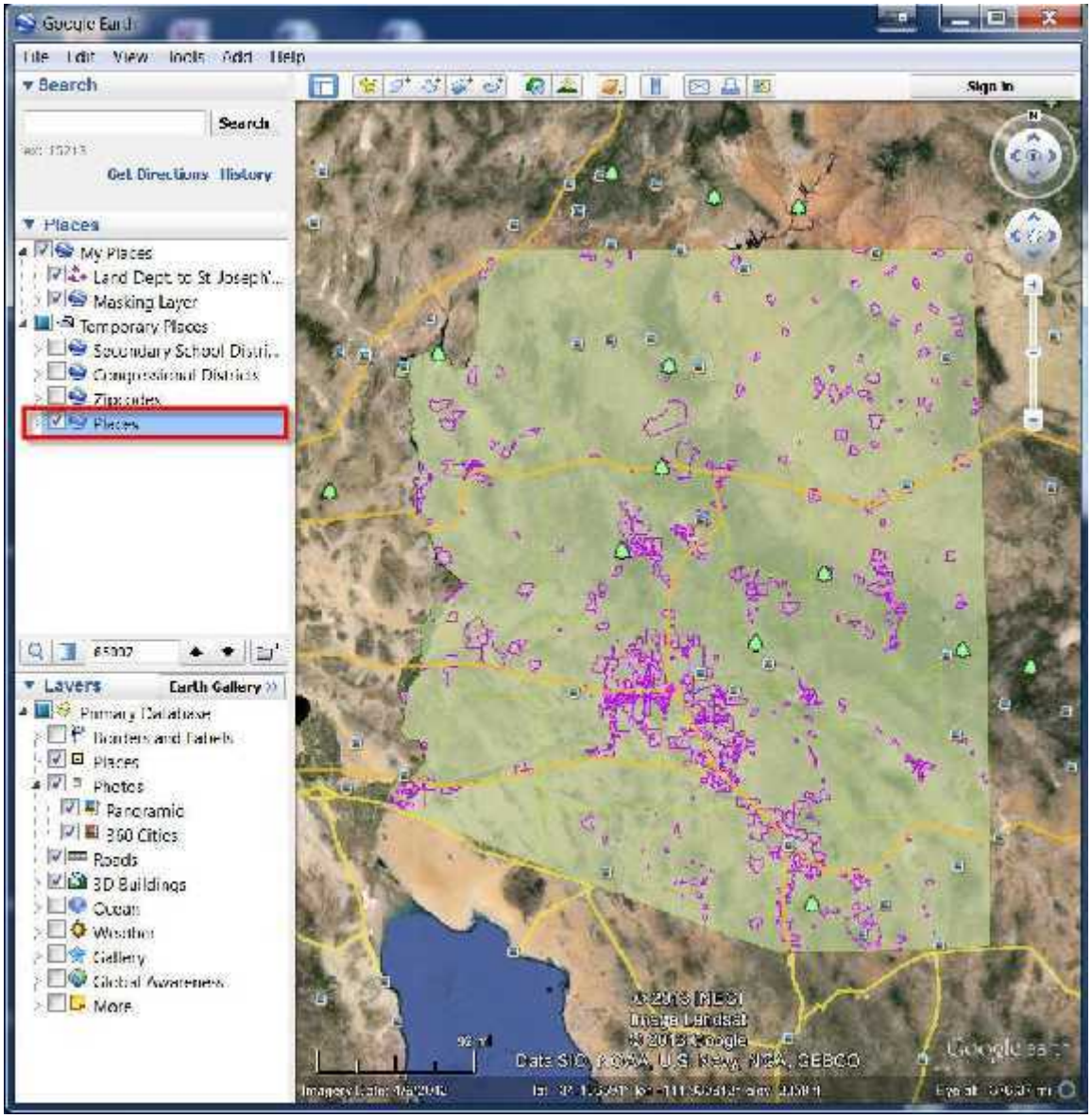
There are a lot of layers turned on making it hard to see the Place boundaries in purple.



Turn off the following layers:

Secondary School Districts
Congressional Districts
Zipcodes

Make sure Places is turned on, selected and highlighted in blue.



You are going to zoom to the City of Globe.

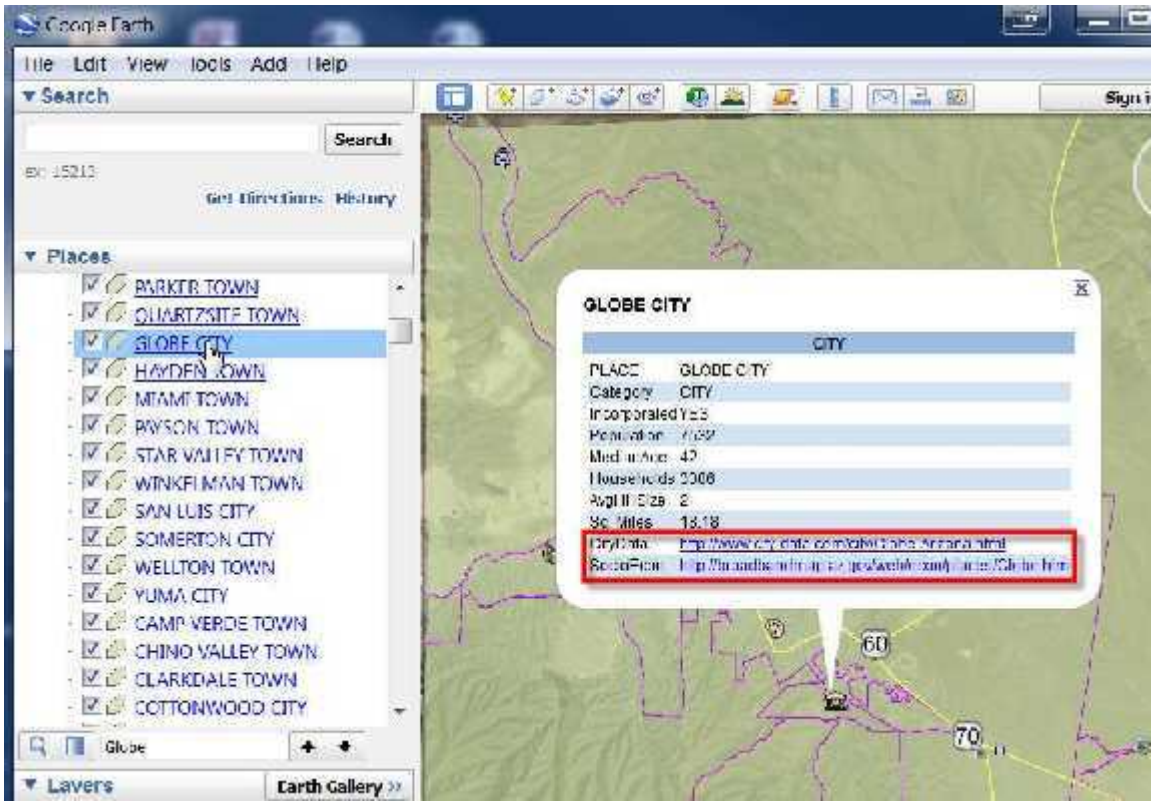
Enter Globe in the Search Box.

Note: There is no need to expand the Places data layer to reveal the names.

The moment you begin typing in the letter G, the Places data layer will expand automatically.

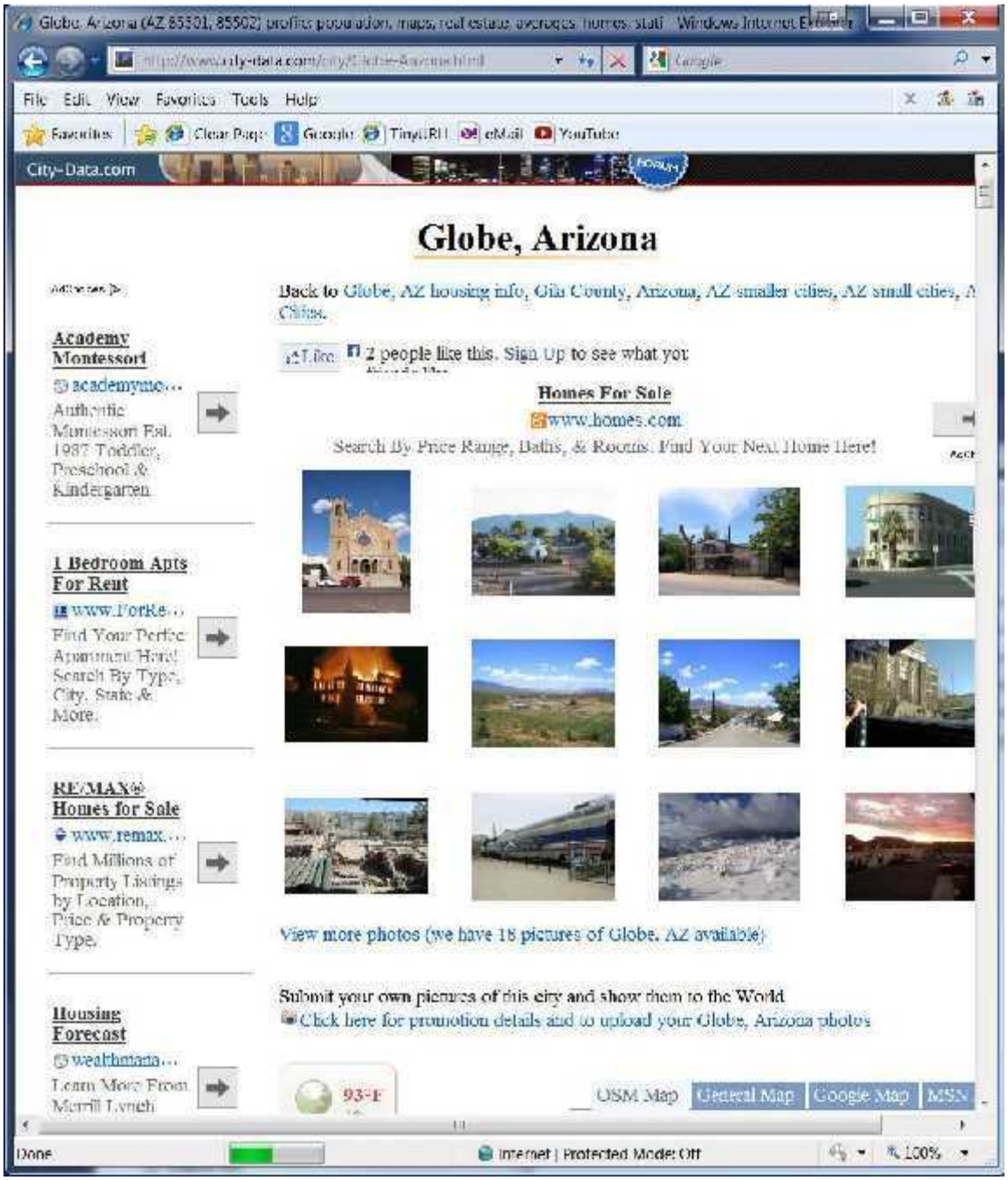
Double Click on GLOBE CITY to zoom to this location.

Notice, there are two links in the Info Window for Globe City.



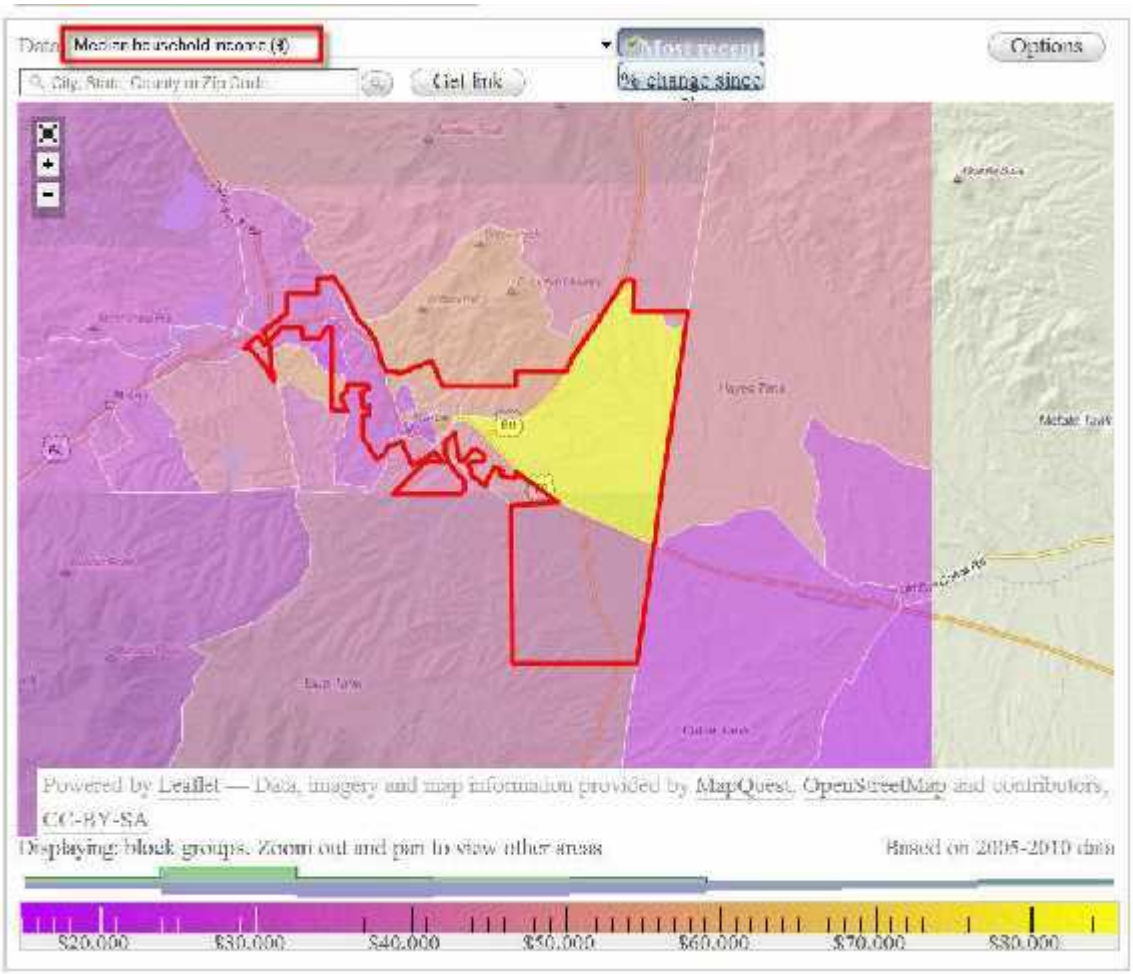
Click, on the CityData Link.

You can view the detailed profile for Globe, Arizona.



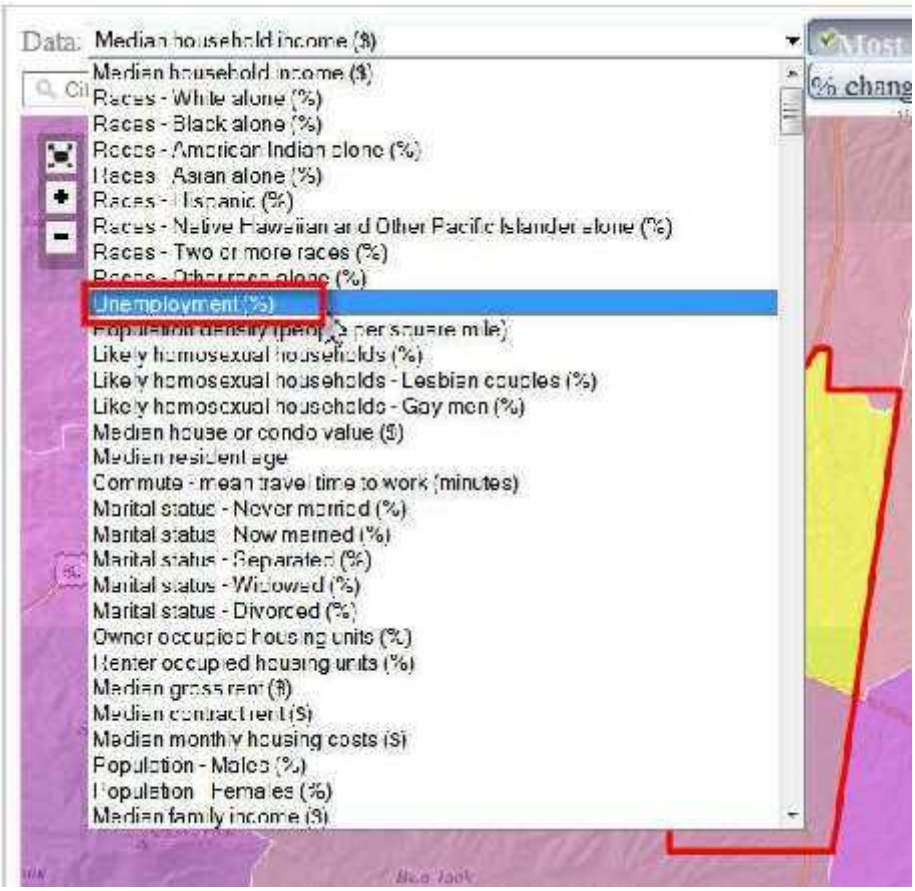
Scroll down to see a map of Globe City, Arizona.
The map is showing Median Household Income at the Census Block Group level.
The map legend at the bottom ranges from purple to yellow.

Purple = $20,000 Median Household Income per year.
Yellow = $80,000 Median Household Income per year.



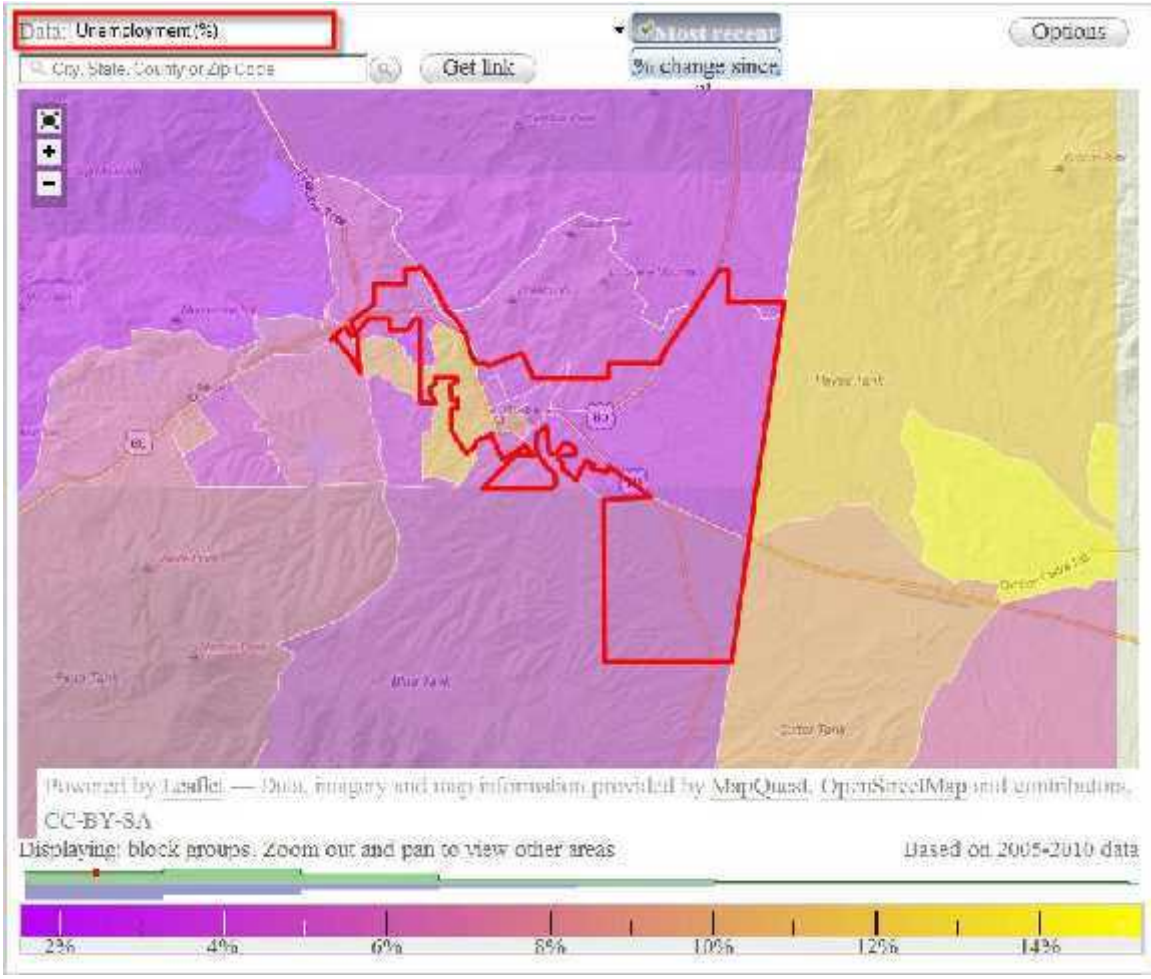
Click on the drop down list to see other variables that you can use to generate maps on the fly.

Select Unemployment Percentage



Be patient!
After a few moments, a new map will be generated with a new legend showing the Percentage Unemployed.

Purple = 2% Unemployed
Yellow = 14% Unemployed



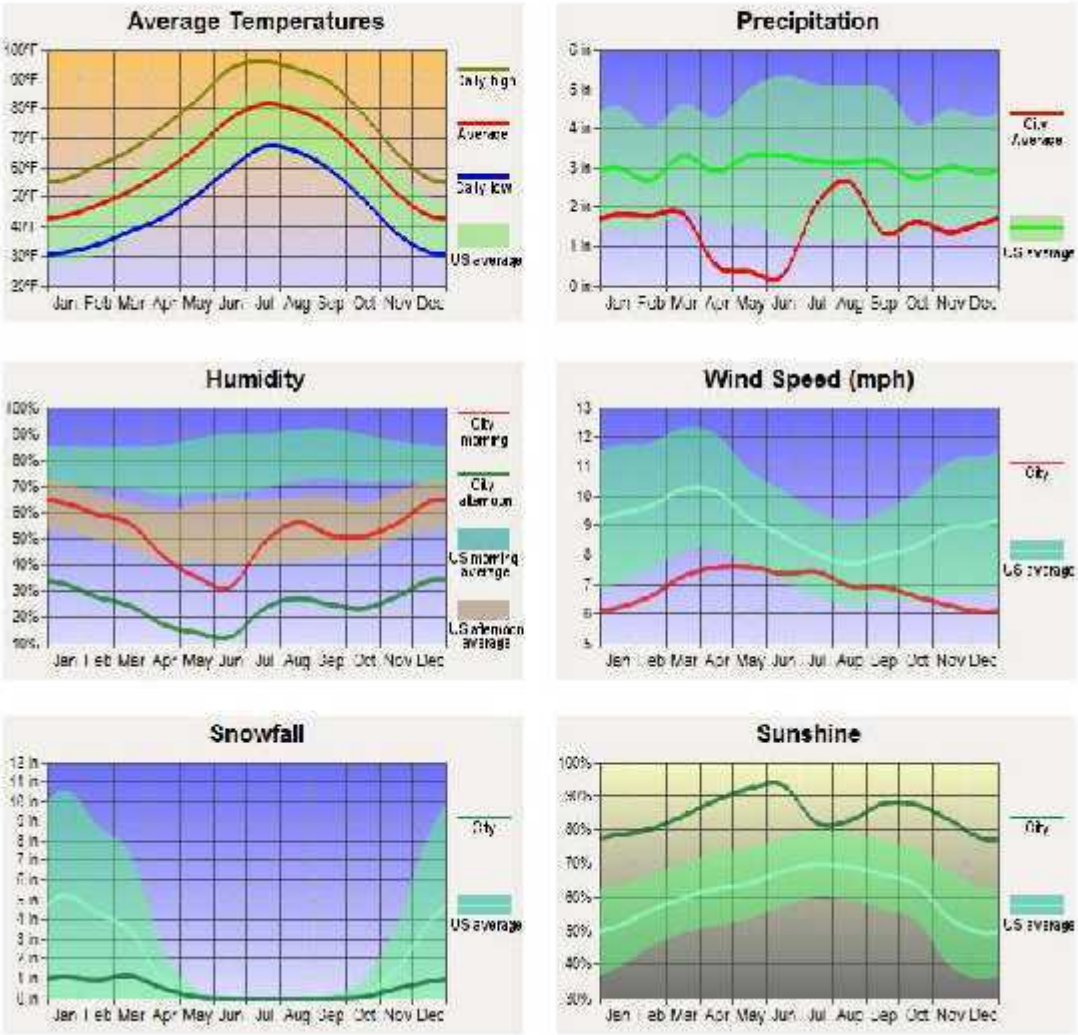
Scroll down to see the Crime Statistics in Globe, Arizona

Crime in Globe by Year										
Type	2001	2002	2003	2004	2005	2006	2007	2008	2010	2011
Murders	0	0	0	0	1	0	0	0	0	0
per 100,000	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0	0.0
Rapes	2	2	4	4	4	0	5	4	2	7
per 100,000	25.8	25.1	53.3	53.6	53.7	0.0	70.5	56.5	28.8	91.6
Robberies	0	6	2	4	7	2	6	1	2	5
per 100,000	0.0	75.4	26.7	53.6	94.0	26.8	84.5	14.1	28.8	65.5
Assaults	34	78	60	60	56	70	61	47	34	39
per 100,000	438.0	979.8	799.8	803.6	751.8	938.1	859.5	662.8	490.2	510.5
Burglaries	100	90	95	147	142	90	124	75	77	107
per 100,000	1289.3	1130.5	1266.5	1968.9	1906.3	1206.1	1747.2	1059.3	1110.1	1400.7
Thefts	231	235	236	311	348	284	275	223	203	229
per 100,000	2983.0	2951.9	3142.4	4165.6	4644.9	3806.0	3874.9	3149.7	2926.8	2997.8
Auto thefts	6	18	27	24	26	20	15	22	5	13
per 100,000	77.5	226.1	359.9	321.5	349.0	268.0	211.4	310.7	72.1	170.2
Arson	3	5	6	2	5	1	7	0	2	2
per 100,000	38.7	62.8	80.0	26.8	67.1	13.4	98.6	0.0	28.8	26.2
City-data.com crime index (higher means more crime, U.S. average = 319.1)	300.7	429.3	439.3	519.9	563.1	429.1	518.0	385.0	312.5	403.4

Scroll down to see Average Climate in Globe, Arizona

Average climate in Globe, Arizona

Based on data reported by over 4,000 weather stations



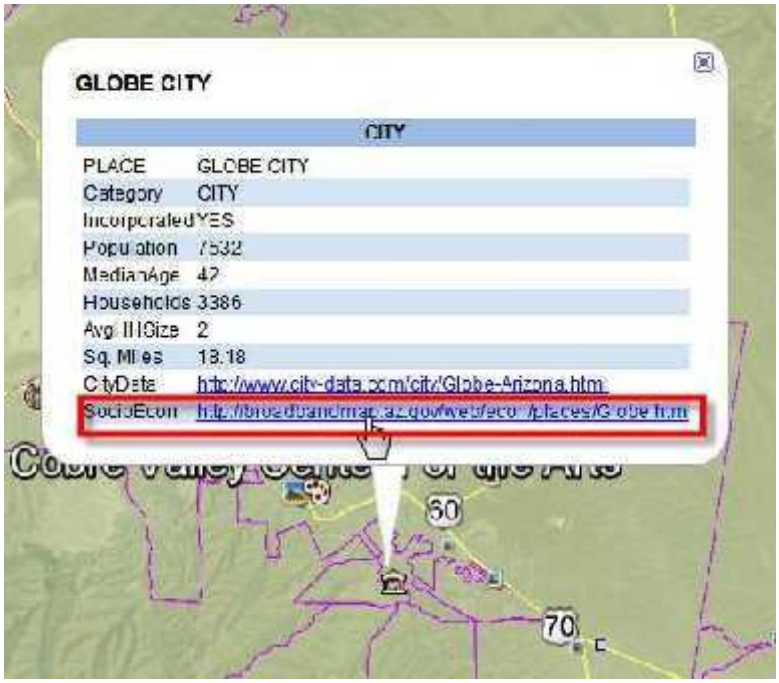
Scroll down further to see Local Government Employment in Globe, Arizona.

Local government employment and payroll (March 2007)					
Function	Full time employees	Monthly full time payroll	Average yearly full time wage	Part time employees	Monthly part time payroll
Financial Administration	2	$7,683	$46,098	0	$0
Other Government Administration	6	$26,112	$52,224	0	$0
Judicial and Legal	1	$2,803	$33,636	0	$0
Police Protection - Officers	21	$78,559	$44,891	0	$0
Police - Other	9	$27,921	$37,228	0	$0
Firefighters	19	$70,018	$44,222	2	$702
Streets and Highways	12	$34,747	$34,747	0	$0
Welfare	4	$5,349	$16,047	0	$0
Solid Waste Management	9	$21,644	$28,859	0	$0
Sewerage	4	$15,015	$45,045	0	$0
Parks and Recreation	9	$19,682	$26,243	1	$841
Water Supply	14	$42,741	$36,635	0	$0
Local Libraries	3	$8,584	$34,336	2	$1,570
Other and Unallocable	8	$32,471	$48,707	0	$0
Totals for Government	121	$393,329	$39,008	5	$3,113

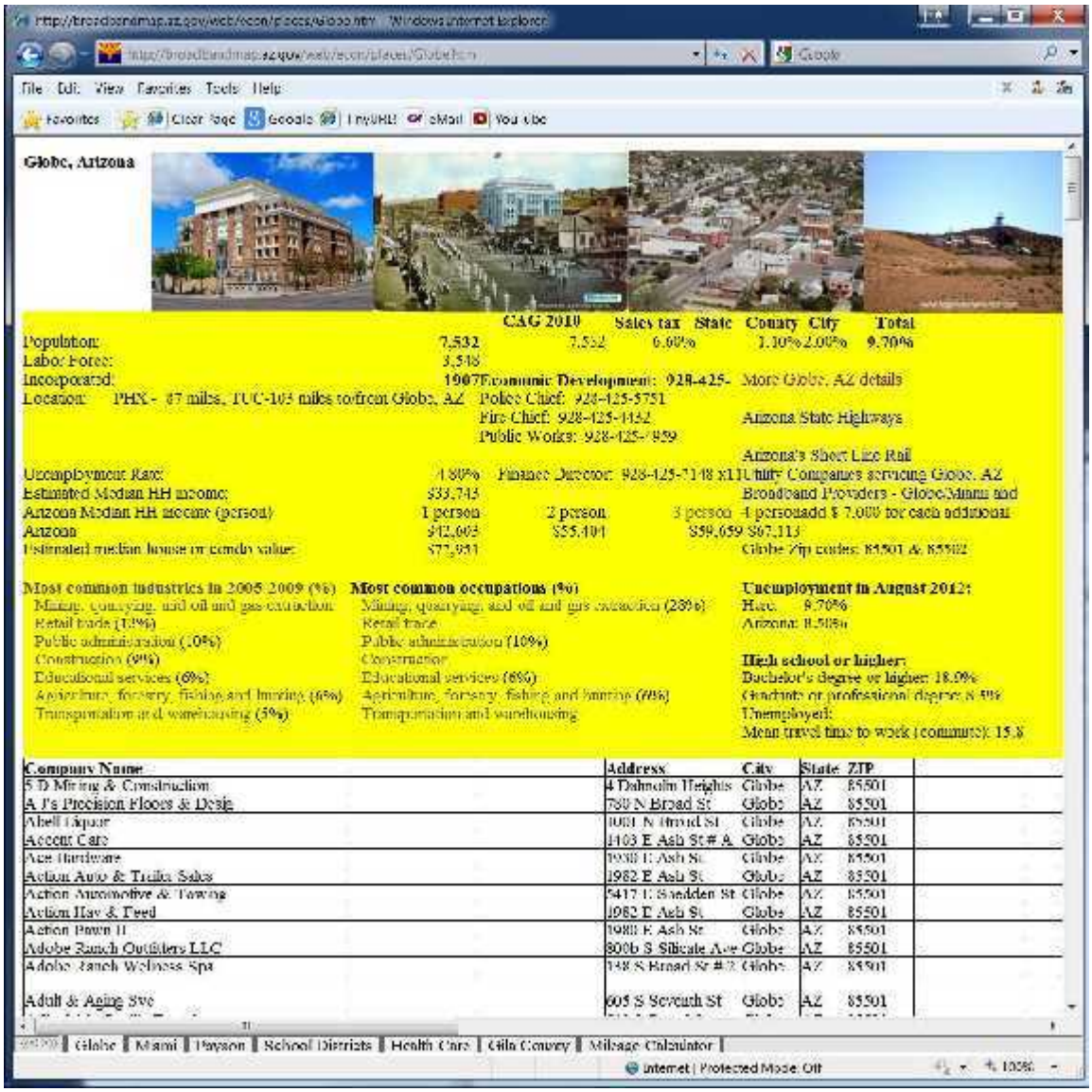
Scroll down to see Businesses in Globe, Arizona

Businesses in Globe, AZ			
Name	Count	Name	Count
Ace Hardware	1	Pizza Hut	1
AutoZone	1	Quality	1
Big O Tires	1	SAS Shoes	1
Dairy Queen	1	SONIC Drive-In	1
FedEx	2	Safeway	1
Jack In The Box	1	Subway	2
KFC	1	Taco Bell	1
Kroger	1	The Room Place	1
Little Caesars Pizza	1	U-Haul	1
McDonald's	1	UPS	5
Motel 6	1	Vons	1
Nike	1		

Click, on the SocioEcon Link.



This opens up a rich table of information showing the Socio-Economic Data pertaining to Globe, Arizona.



http://broadbandmap.az.gov/web/econ/places/Globe.htm - Windows Internet Explorer

File Edit View Favorites Tools Help

Favorites | Clear Page | Google | TinyURL | eMail | YouTube

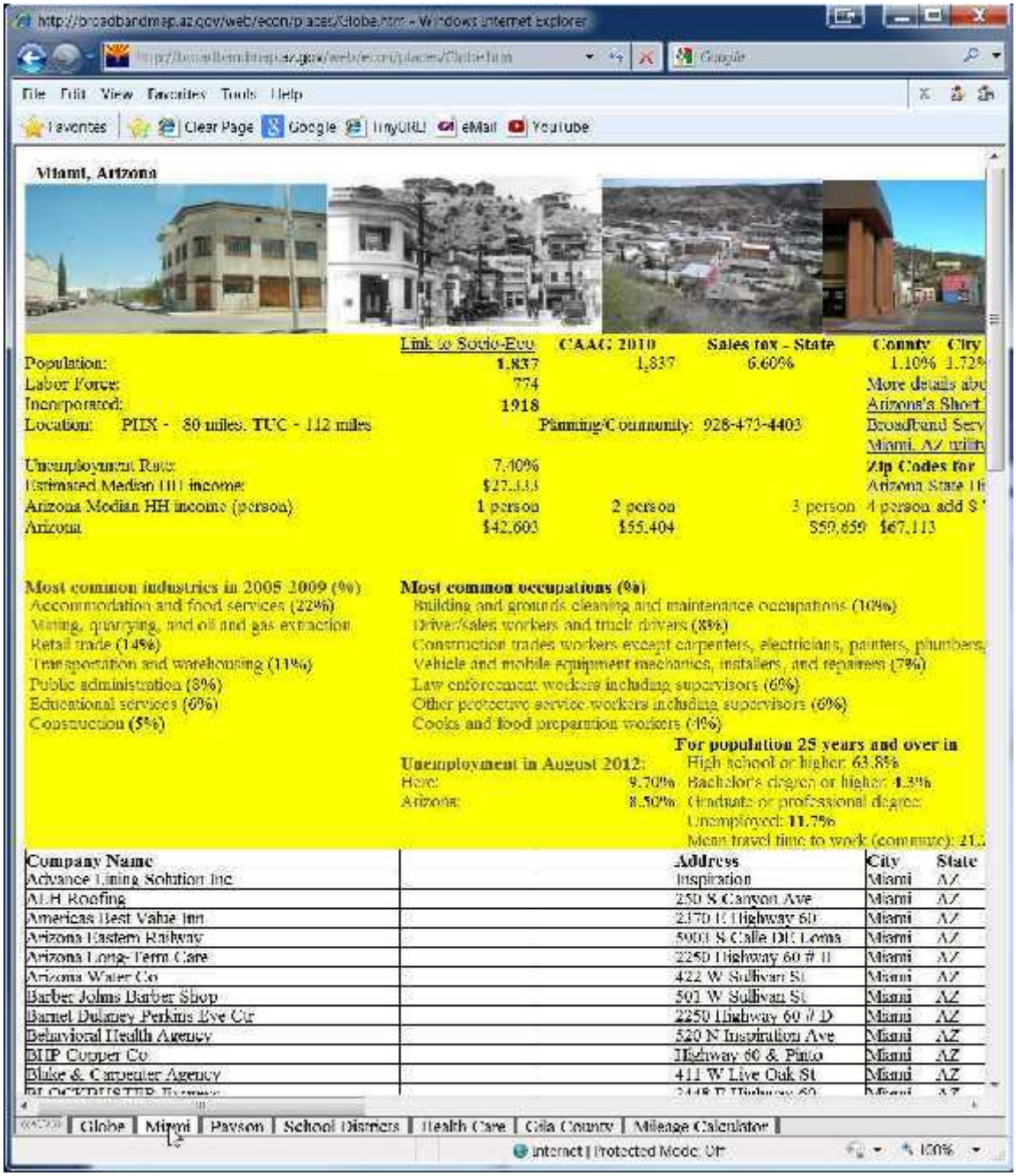
Company Name	Address	City	State	ZIP
5 D Mining & Construction	4 Dalmolin Heights	Globe	AZ	85501
A J's Precision Floors & Design	780 N Broad St	Globe	AZ	85501
Abell Liquor	1001 N Broad St	Globe	AZ	85501
Accent Care	1403 E Ash St # A	Globe	AZ	85501
Ace Hardware	1930 E Ash St	Globe	AZ	85501
Action Auto & Trailer Sales	1982 E Ash St	Globe	AZ	85501
Action Automotive & Towing	5417 E Sheridan St	Globe	AZ	85501
Action Hay & Feed	1982 E Ash St	Globe	AZ	85501
Action Pawn II	1980 E Ash St	Globe	AZ	85501
Adobe Ranch Outfitters LLC	800b S Silicate Ave	Globe	AZ	85501
Adobe Ranch Wellness Spa	138 S Broad St # 2	Globe	AZ	85501
Adult & Aging Svc	605 S Seventh St	Globe	AZ	85501
Affordable Quality Dental	543 S Broad St	Globe	AZ	85501
Africanized Bee & Pest Mgmt	226 E Boston St	Globe	AZ	85501
Agave Medical Ctr	1100 E Monroe St	Globe	AZ	85501
Air-Co Electric		Globe	AZ	85501
Airbounce Rentals	191 E Globe St	Globe	AZ	85501
Ajax Limited	201 E Cedar St	Globe	AZ	85501
AJ's Automotive Repair LLC	1028 N Broad St	Globe	AZ	85501
Alcoholics Anonymous	152 S Pine St	Globe	AZ	85501
Alhambra Mini-Storage	1410 E Monterey	Globe	AZ	85501
Alhambra Mobile Home Park	1410 E Monterey	Globe	AZ	85501
All Pro Cycle	2316 N Escudilla Dr	Globe	AZ	85501
Allen, Monica	610 N Broad St #	Globe	AZ	85501
Altima Realty	610 N Broad St # B	Globe	AZ	85501
Ameri Gas	3935 Highway 188	Globe	AZ	85501
American Legion	645 S Broad St	Globe	AZ	85501
AMPM	2398 E Hwy 60	Globe	AZ	85501
Andrade, Oscar E MD	108 S Broad St	Globe	AZ	85501
Animal Magnetism	1800 N Broad St	Globe	AZ	85501
Antenna Sites	Pinal Mtn	Globe	AZ	85501
Apache Bow Hunters Inc	7096 S Russell Rd	Globe	AZ	85501
Apache Drive-In Theatre	US Highway 60	Globe	AZ	85501
Apache Trail Mobile Home Park	1271 N Wheatfields Rd # 25	Globe	AZ	85501
Aps	5994 Electric Dr	Globe	AZ	85501
Arizona Ranch Management	1776 E Ash St # A	Globe	AZ	85501
Arizona Republic	725 W Ash St	Globe	AZ	85501
Arizona Silver Belt	298 N Pine St	Globe	AZ	85501
Arizona Youth Partnership	143 S Broad St	Globe	AZ	85501
Arizona's Children Assn	2123 Sunset Pt	Globe	AZ	85501
Arizonas Tooth Doctor For Kids	410 S Sixth St	Globe	AZ	85501
Arizonas Tooth Doctor For Kids	410 S Sixth St	Globe	AZ	85501
Ash Street Barber Shop	1956 E Ash St # A	Globe	AZ	85501
At Home Solutions	216 W Hackney	Globe	AZ	85501
At Your Fingertips	137 N Hill St	Globe	AZ	85501
August Hills	8036 S Pinal View	Globe	AZ	85501
Autozone	1735 N Broad St	Globe	AZ	85501
B & G Electronic Repair	382 N Broad St	Globe	AZ	85501

Globe | Miami | Payson | School Districts | Health Care | Gila County | Mileage Calculator

Internet | Protected Mode: Off | 100%

You can open the Tabs below to view the Socio-Economic data for neighboring Cities and Towns.

Open the Miami Tab.



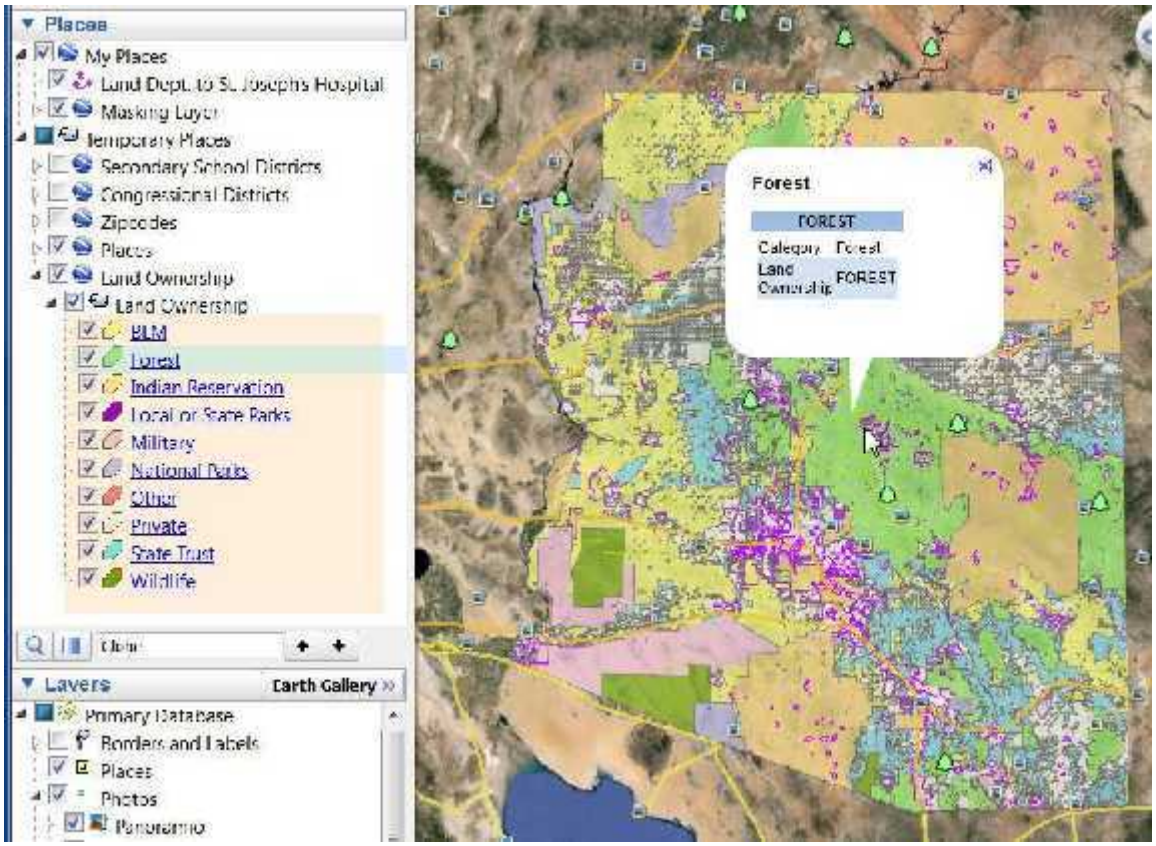
Viewing the Land Ownership Data Layer

Scroll all the way down to the Parcel Data Section, and open LandOwnership.kmz

Parcel Data

Layer Name	Description	Number of Features	File Size	KMZ File
Land Ownership	Major Land Ownership Categories in Arizona	10 Categories	5,807 KB	LandOwnership.kmz
Surface Parcels	Surface Parcels (Leased – Unleased) in Arizona	23,264 Polygons	2,417 KB	Surface.kmz
Mineral Parcels	Mineral Parcels (Leased – Unleased) in Arizona	20,284 Polygons	1,698 KB	Mineral.kmz
Oil & Gas Parcels	Oil & Gas Parcels (Leased + Unleased) in Arizona	10,512 Polygons	1,618 KB	OilGas.kmz
Grazing Allotments	Grazing Allotments in Arizona	1,928 Polygons	736 KB	Grazing.kmz

There are 10 Major Land Ownership Categories.



Exit Google Earth without Saving

Viewing the Surface Parcels Data Layer

Open Surface.kmz

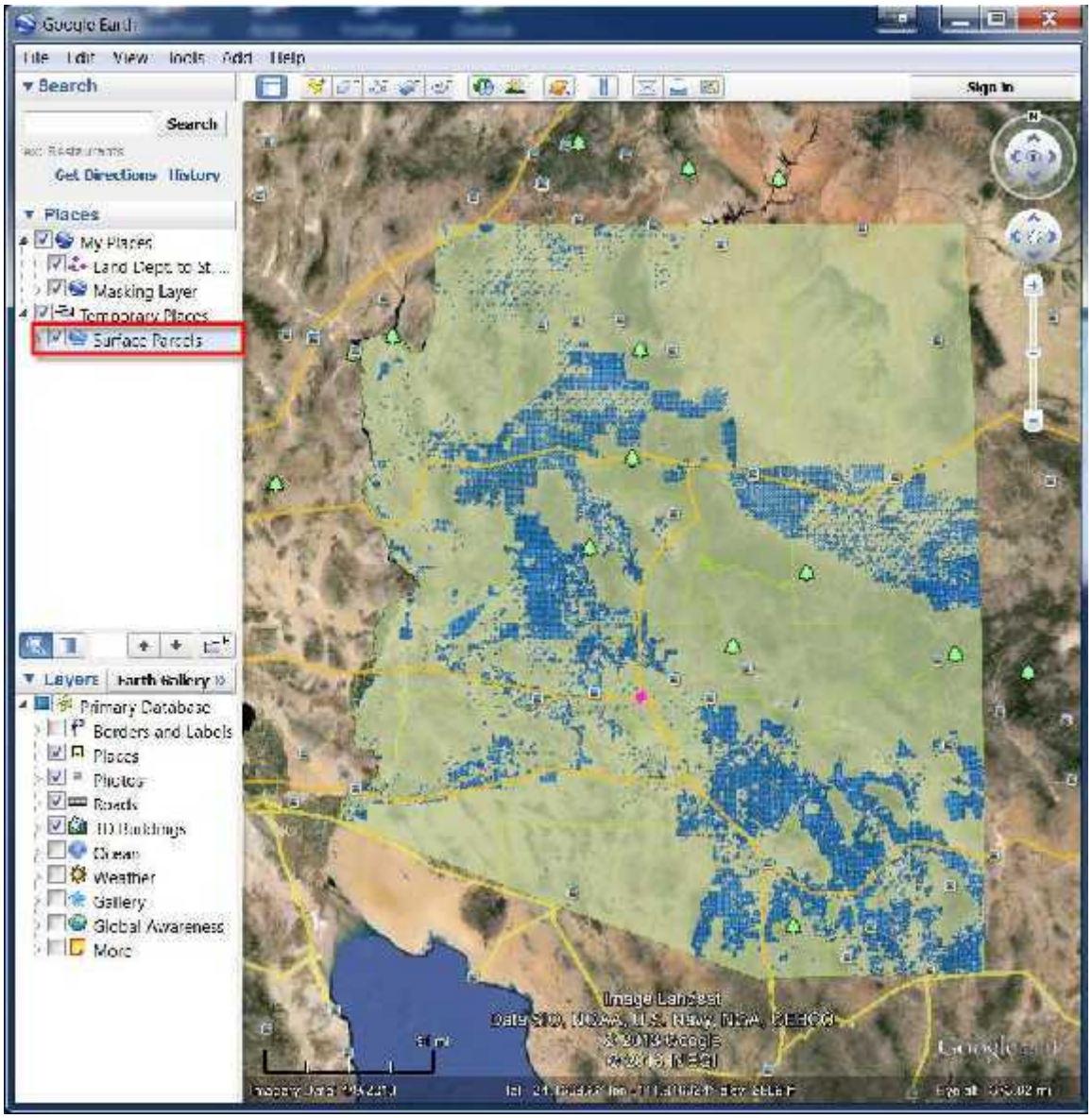
Parcel Data

Layer Name	Description	Number of Features	File Size	KMZ File
Land Ownership	Major Land Ownership Categories in Arizona	10 Categories	5,807 KB	LandOwnership.kmz
Surface Parcels	Surface Parcels (Leased + Unleased) in Arizona	23,264 Polygons	2,417 KB	Surface.kmz
Mineral Parcels	Mineral Parcels (Leased + Unleased) in Arizona	20,284 Polygons	1,608 KB	Mineral.kmz

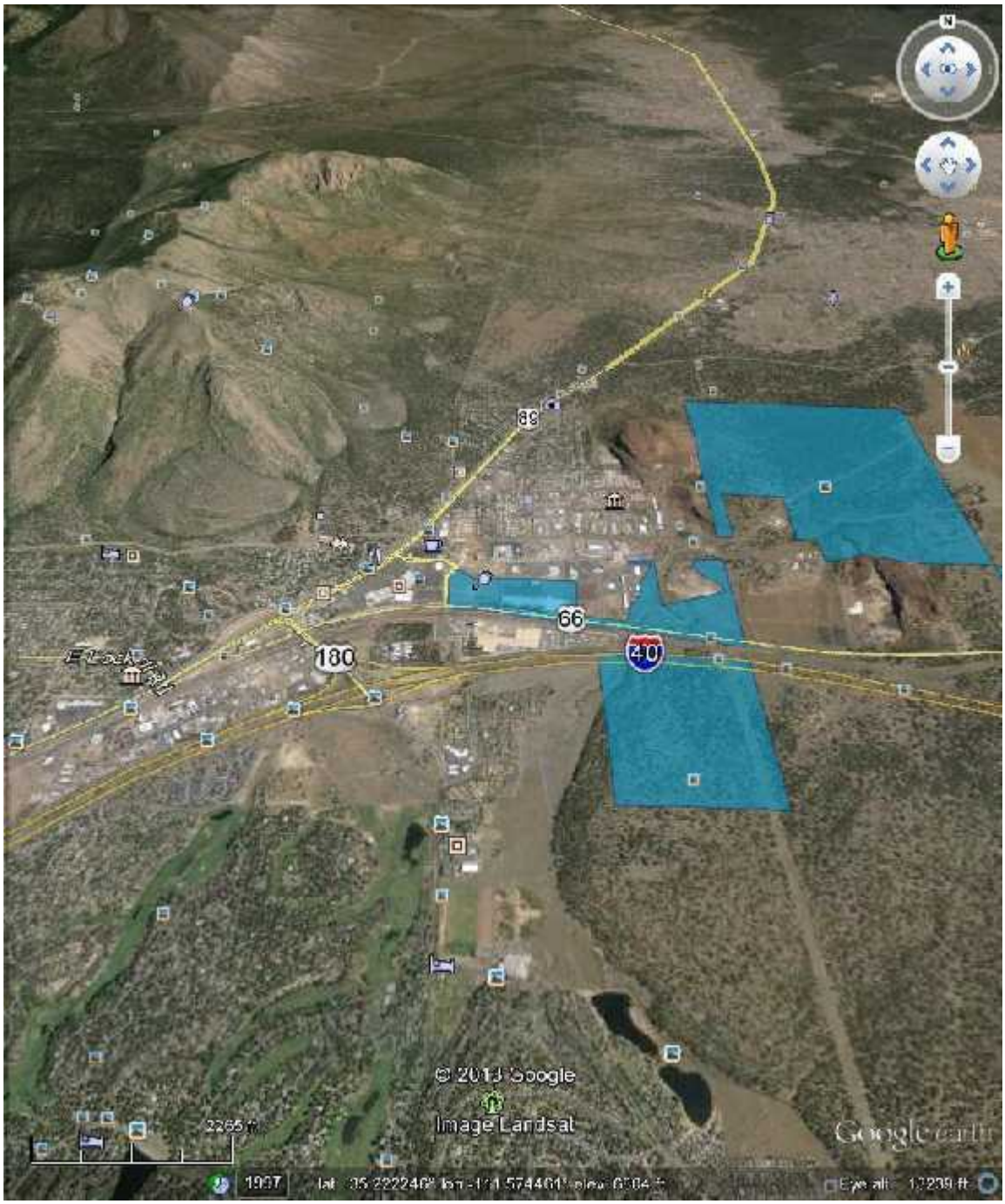
The Surface Parcels are shown in blue.

Notice, that the Masking Layer and Route also appear.
This is because they were saved under My Places.

Unless you delete them, they would always show up when you launch Google Earth.



Zoom in and examine the blue State Land Surface Parcels in the City of Flagstaff.

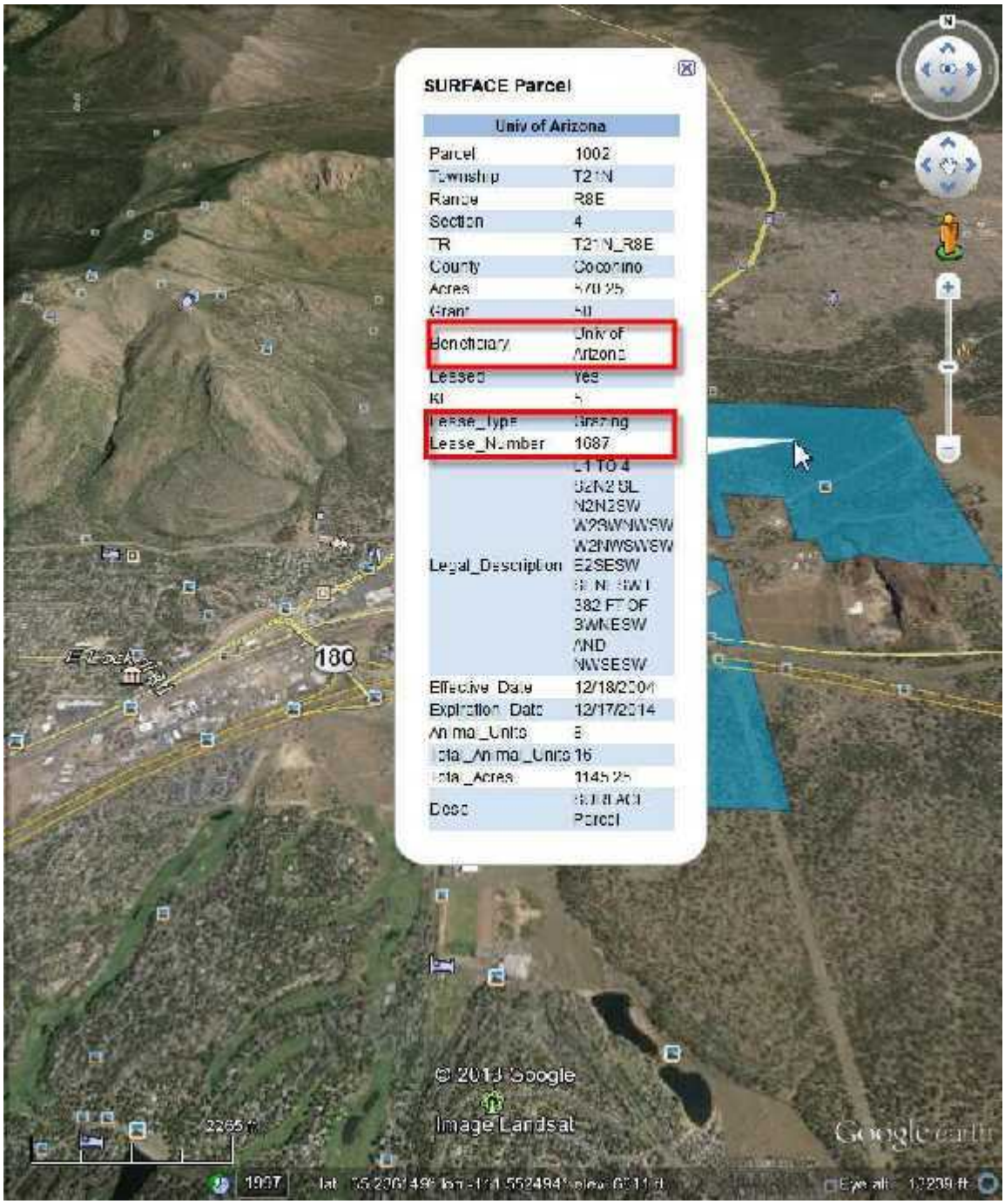


Click on a Surface Parcel to bring up the Info Window.

The Beneficiary is University of Arizona.

The Lease Number is 1687.

This is a Grazing Lease that is set to expire on 12/17/2014.



List of KMZ Files

There are 56 KMZ Data Layers grouped under the following sections:

Base Layers

Community Buildings

School Districts

Political Districts

Spatial References

2010 Census Boundaries

Broadband Data

Parcel Data

Miscellaneous

The direct link to view the KMZ Files is:

http://broadbandmap.az.gov/web/kmz/list.htm

You may also launch the Community Planning Map and open the Help Widget to see the list of KMZ Files.

http://broadbandmap.az.gov/CommunityPlanningMap

List of KMZ Files

Back | Close

Click on a **Layer Name** or **KMZ File** to download and save a local copy or to view the contents in **Google Earth**

All Data Layers share this Coordinate System:

Projection = Web Mercator
Datum = WGS1984 based on Major Auxiliary Sphere
Units = Meters

Base Layers for Masking Satellite Imagery

Layer Name	Description	Number of Features	File Size	KMZ File
Outside Arizona	Region outside the State borders of Arizona for framing the map	1 Polygon	212 KB	Outside.kmz
Masking Layer	Semi-transparent base layer to mask out the Satellite Image within Arizona. Load this as your 1st layer.	1 Polygon	604 KB	Mask.kmz

Community Buildings

Layer Name	Description	Number of Features	File Size	KMZ File
Schools	Public Schools in Arizona	1630 Points	99 KB	Schools.kmz
Libraries	Public Libraries in Arizona	245 Points	17 KB	Libraries.kmz
Healthcare	Hospitals and Healthcare facilities in Arizona	168 Points	14 KB	Healthcare.kmz
Fire Department	Fire Departments in Arizona	722 Points	48 KB	Fire.kmz
Law Enforcement	Law Enforcement in Arizona	373 Points	27 KB	Law.kmz
Colleges & Universities	Colleges & Universities in Arizona	180 Points	15 KB	Colleges.kmz
Other Community Buildings	Other Community Buildings in Arizona	2195 Points	121 KB	Others.kmz

School Districts

Layer Name	Description	Number of Features	File Size	KMZ File
Secondary School Districts	Secondary School Districts in Arizona	15 Polygons	112 KB	Secondary.kmz
Elementary School Districts	Elementary School Districts in Arizona	104 Polygons	472 KB	Elementary.kmz
Unified School Districts	Unified School Districts in Arizona	98 Polygons	734 KB	Unified.kmz

Political Districts

Layer Name	Description	Number of Features	File Size	KMZ File
Congressional Districts	Congressional Districts in Arizona	9 Polygons	592 KB	Congressional.kmz
Legislative Districts	Legislative Districts in Arizona	30 Polygons	948 KB	Legislative.kmz

Spatial References

Layer Name	Description	Number of Features	File Size	KMZ File
ZIP Codes	Major ZIP Code boundaries in Arizona	332 Polygons	170 KB	Zipcodes.kmz
Townships	Township and Range lines in Arizona	2,977 Polygons	1,062 KB	Townships.kmz
Sections	Section lines in Arizona	97,725 Polygons	6,500 KB	Sections.kmz
TileIndex	Tile Index in Arizona. Each Tile spans 30 mins x 30 mins	133 Polygons	16 KB	TileIndex.kmz
QuadIndex	Quad Index in Arizona. Each Quadrangle spans 7.5 mins x 7.5 mins	1,931 Polygons	104 KB	QuadIndex.kmz

2010 Census Boundaries

Layer Name	Description	Number of Features	File Size	KMZ File
County Boundaries	County boundaries in Arizona	15 Polygons	609 KB	County.kmz
Places	Census Designated Places in Arizona. (Includes Cities and Towns)	451 Polygons	1,618 KB	Places.kmz
Census Tracts	Census Tracts in Arizona	1,526 Polygons	4,886 KB	CensusTracts.kmz
CensusGroups	Census Groups in Arizona	4,178 Polygons	7,838 KB	CensusGroups.kmz
Blocks-Apache	Census Blocks in Apache County, Arizona	24,145 Polygons	11,158 KB	Blocks-Apache.kmz
Blocks Cochise	Census Blocks in Cochise County, Arizona	9,139 Polygons	2,915 KB	Blocks Cochise.kmz
Blocks-Coconino	Census Blocks in Coconino County, Arizona	20,267 Polygons	11,714 KB	Blocks-Coconino.kmz
Blocks-Gila	Census Blocks in Gila County, Arizona	4,979 Polygons	3,890 KB	Blocks-Gila.kmz
Blocks-Graham	Census Blocks in Graham County, Arizona	3,988 Polygons	2,149 KB	Blocks-Graham.kmz
Blocks-Greenlee	Census Blocks in Greenlee County, Arizona	1,394 Polygons	1,150 KB	Blocks-Greenlee.kmz
Blocks-LaPaz	Census Blocks in La Paz County, Arizona	4,795 Polygons	1,887 KB	Blocks-LaPaz.kmz
Blocks Maricopa	Census Blocks in Maricopa County, Arizona	72,729 Polygons	17,769 KB	Blocks Maricopa.kmz
Blocks-Mohave	Census Blocks in Mohave County, Arizona	15,677 Polygons	8,362 KB	Blocks-Mohave.kmz
Blocks-Navajo	Census Blocks in Navajo County, Arizona	20,804 Polygons	8,738 KB	Blocks-Navajo.kmz
Blocks-Pima	Census Blocks in Pima County, Arizona	19,985 Polygons	8,371 KB	Blocks-Pima.kmz
Blocks-Pinal	Census Blocks in Pinal County, Arizona	19,349 Polygons	5,659 KB	Blocks-Pinal.kmz
Blocks-SantaCruz	Census Blocks in Santa Cruz County, Arizona	2,678 Polygons	1,332 KB	Blocks-SantaCruz.kmz
Blocks Yavapai	Census Blocks in Yavapai County, Arizona	12,462 Polygons	7,854 KB	Blocks Yavapai.kmz
Blocks Yuma	Census Blocks in Yuma County, Arizona	9,275 Polygons	2,200 KB	Blocks Yuma.kmz
Populated Areas	Census Blocks with Population Greater than Zero	1 Category	11,600 KB	PopulatedAreas.kmz

Broadband Data

Layer Name	Description	Number of Features	File Size	KMZ File
Fiber Broadband Service	Fiber Broadband Service areas broken down by Provider and Download Speed	25 Categories	293 KB	Fiber.kmz
DSL Broadband Service	DSL Broadband Service areas broken down by Provider and Download Speed	122 Categories	24,246 KB	DSL.kmz
T1 Broadband Service	T1 Broadband Service areas broken down by Provider and Download Speed	21 Categories	1,120 KB	T1.kmz
Cable Broadband Service	Cable Broadband Service areas broken down by Provider and Download Speed	26 Categories	4,070 KB	Cable.kmz
Fixed Wireless Broadband Service	Fixed Wireless Broadband Service areas broken down by Provider and Download Speed	29 Categories	1,707 KB	FixedWireless.kmz
Satellite Broadband Service	Satellite Broadband Service areas broken down by Provider and Download Speed	8 Categories	6,065 KB	Satellite.kmz
Maximum Download Speed	Maximum Download Speed at a location	9 Categories	5048 KB	MaxDown.kmz
Provider Count	Number of Broadband Providers at a location	6 Categories	6,207 KB	ProviderCount.kmz
Road Segments	Road Segments in Arizona	88 Lines	1,126 KB	RoadSegments.kmz
Cell Towers	Cell Tower locations in Arizona. (Source = FCC)	3,824 Points	100 KB	CellTowers.kmz
American Towers	Cell Tower locations in Arizona. (Source = American Tower)	530 Points	38 KB	AmericanTowers.kmz

Parcel Data

Layer Name	Description	Number of Features	File Size	KMZ File
Land Ownership	Major Land Ownership Categories in Arizona	10 Categories	5,807 KB	LandOwnership.kmz
Surface Parcels	Surface Parcels (Leased + Unleased) in Arizona	23,264 Polygons	2,417 KB	Surface.kmz
Mineral Parcels	Mineral Parcels (Leased + Unleased) in Arizona	20,284 Polygons	1,698 KB	Mineral.kmz
Oil & Gas Parcels	Oil & Gas Parcels (Leased + Unleased) in Arizona	19,512 Polygons	1,618 KB	OilGas.kmz
Grazing Allotments	Grazing Allotments in Arizona	1,928 Polygons	736 KB	Grazing.kmz

Miscellaneous

Layer Name	Description	Number of Features	File Size	KMZ File
Towns	Towns in Arizona	1058 Points	42 KB	Towns.kmz

Downloading all KMZ Data Layers as a Single ZIP File

You may download all the 56 KMZ Data Layers as a single ZIP File, and save them locally to your Desktop PC or Mac.

The size of this ZIP file is 192MB

Click on Kmz.zip

Miscellaneous

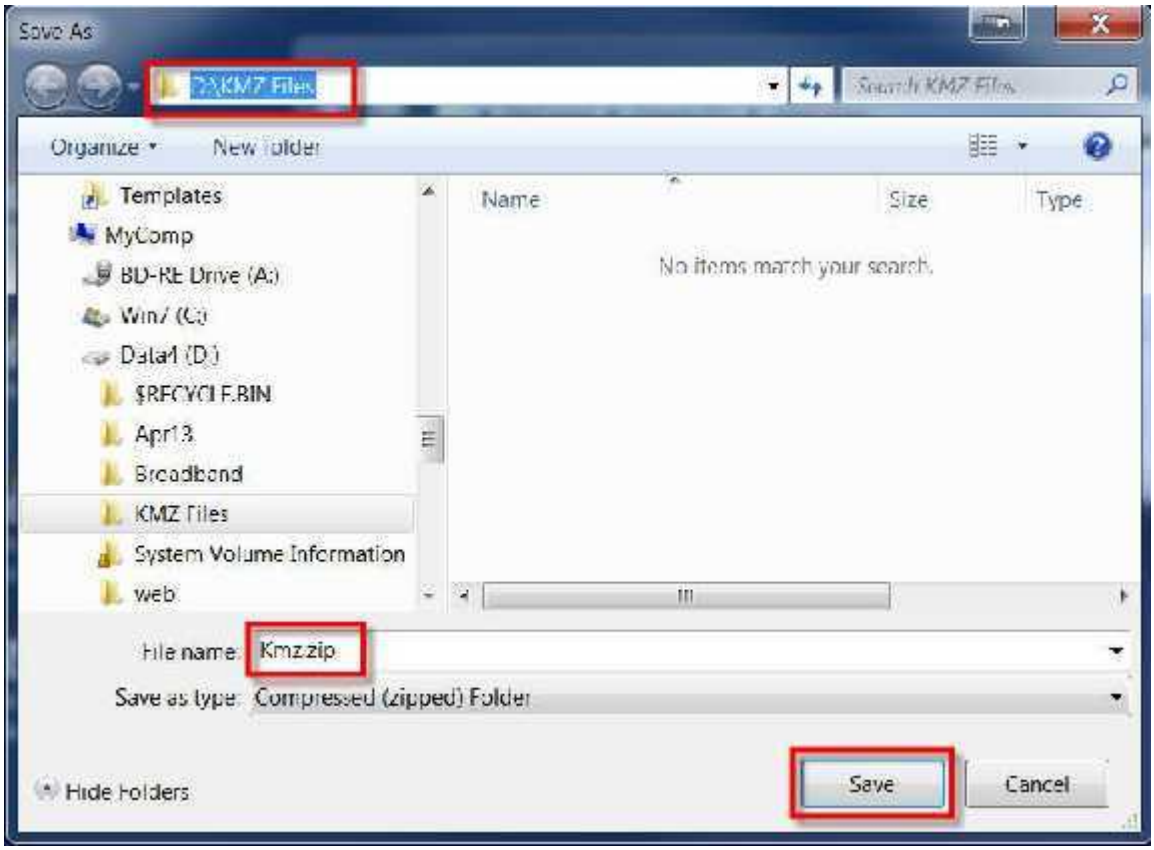
Layer Name	Description	Number of Features	File Size	KMZ File
Towns	Towns in Arizona	1058 Points	42 KB	Towns.kmz

Download All KMZ Files

Data Type	Description	Number of Data Layers	File Size	KMZ File
All KMZ Files	Download All KMZ Data Layers as a single ZIP File	56	192MB	Kmz.zip

Select the Save Option

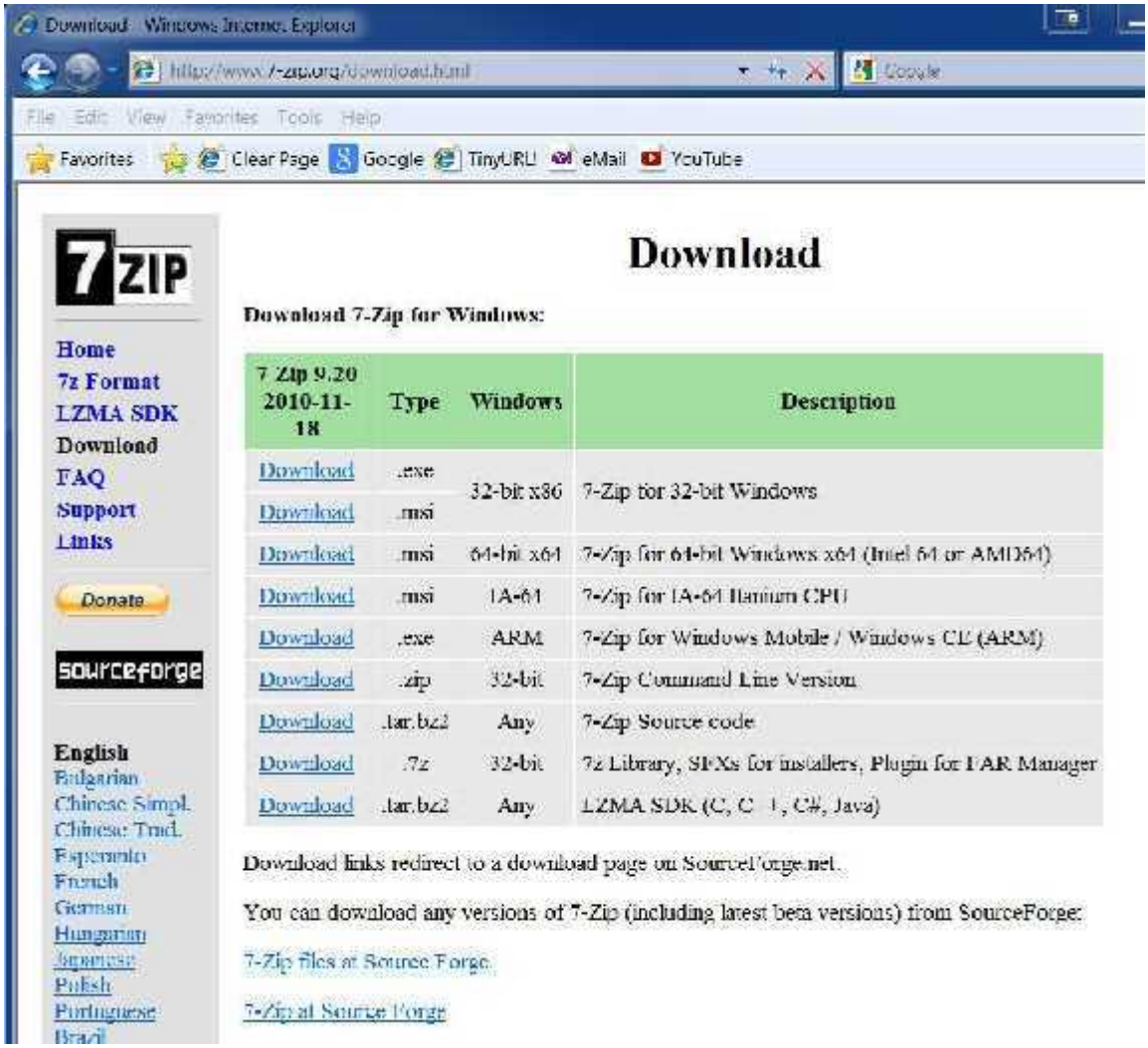
Create a folder on your local drive, and save Kmz.zip inside this folder.



Unzip the contents of Kmz.zip

If you do not have a tool to unzip the file, you can download 7-Zip for Windows from:

http://www.7-zip.org/download.html



Note: 7-Zip does not work on a Mac.

If you are on a Mac, you can use iZIP or Zipeg to unzip your files.

http://www.izip.com/

http://www.zipeg.com/

Summary and End Notes

Google Earth offers an excellent 3D viewing platform for KMZ data files that can be a collection of points, lines and polygons.

ESRI provides a converter that allows Shape Files to be converted to the KMZ format. All the Attribute information and external embedded links are maintained.

The original symbology is also carried over, which can then be modified by the end user within Google Earth.

Every aspect of the symbology from the Fill color, Outline Width and Opacity can be altered at the individual feature level.

The data layers can be draped over a 3D terrain.

Google Earth integrates Google Street View and 3D renderings of buildings.

Routing is supported natively.

Google Earth includes various useful data layers in its Primary Database with millions of Points of Interests.

If you have the need to run Query, Buffer and Spatial Analysis Tools, you can use ArcGIS Explorer Desktop on your PC. This is a free 2D/3D viewer from ESRI. You can view a Tutorial on using ArcGIS Explorer Desktop by opening this URL:

http://broadbandmap.az.gov/web/Shapes/ArcGIS_Explorer.pdf

We hope you find our KMZ Files useful for your Broadband Planning endeavors!
We welcome your comments and suggestions.

Best regards,

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