# ALERT Data Display Google Map

## Desktop/Full Version Map

**The direct link to the Desktop/Full Version of the map is**
**http://alert.fcd.maricopa.gov/alert/Google/v3/gmap.html or**
**http://bit.ly/fcdgmap.**

**You can also access the map from the main FCD webpage in the Rainfall & Weather section here at**
**http://www.fcd.maricopa.gov/Rainfall/rainfall.aspx**

1. **Top of Map:**
   - Menu Bar: Dataset, Layers, Historic, Info & Refresh. Once open click the "x" button to close the box.
   - Data Description Bar: Includes Data Date, Time, Product and Radar Information. Radar is by default turned off.
   - FCDMC Title and Logo
   - NWS Warnings Legend is displayed by default on the map. If a warning is issued it will automatically display the polygon on the map.
   - This map auto refreshes every two minutes updating the layers that are overlaid on the map.

2. **Map Icons:**
   - **M** means missing data, gage hasn't reported in 6 hours or more.
   - **+** means there is 0.00"of rainfall (no measureable amount) reporting in the interval you chose.
   - If rainfall has occurred over the gage in the specified time interval, the amount will be displayed.

3. **Map Navigation:**
   - Navigate pages just as you would in Google Maps.
   - You can turn map to Satellite view with or without labels, and Regular Terrain Map with or without labels.
   - Zoom Drag Tool – Hold down the Shift button and a **+** will show up on the map. Click your mouse and draw a box. When you let

up on your mouse button the map will zoom you right down to where you want to be.

4. **The Menu:**
   - **Dataset**
     - ➤ All Rainfall Markers will display as **+** until measureable rainfall occurs.  Once there is rainfall, the makers will display as black with white text.  At 0.50" of rain text turns yellow, at 1.25" of rain text turns red, and at 2.00" of rain the markers turn white with red text.
     - ➤ If you click on the markers for any of these datasets an "infowindow" will display.  This window will show you the last time the gage checked in, provide links relevant to the gage, show a table of all the gages sensors, and show a plot of the last 24 hrs. of data.  You can move this infowindow to a different spot.  You can click on a different gage and the data will refresh.  Once open click the "x" button to close the infowindow.
       - o 10 min rainfall – updates every 15 minutes
       - o 30 min rainfall – updates every 15 minutes
       - o 1 hour rainfall – updates every 15 minutes
       - o 3 hour rainfall – updates every 15 minutes
       - o 6 hour rainfall – updates every 15 minutes
       - o 1 day rainfall *default* – updates every 15 minutes
       - o 3 day rainfall – updates every 15 minutes
       - o 7 day rainfall – updates every 15 minutes
       - o Streamflow Data – displays current discharge (cfs), updates every 15 minutes
       - o Impoundment Data (Dams & Basins) – displays current % capacity, updates every 15 minutes
       - o Weather Data – updates every 15 minutes
       - o Air Quality AQI (Data from MCAQD) – updates every 1 hour
       - o Air Quality Weather Data (Data from MCAQD) – updates every 5 minutes
   - **Layers**
     - ➤ This section includes a variety of additional data that you can overlay on top of any Dataset you have chosen.
       - o County Boundary *turned on by default*
       - o Streams *turned on by default* - If you click on the stream you will get an infowindow which displays the stream name.

- o MSP Forecast Zones – Maricopa County Meteorological Forecast Zones used by District Meteorologist.  Our daily weather outlook has a Precipitation Forecast by Zone. http://www.fcd.maricopa.gov/Rainfall/Weather/outlook.aspx
- o FCDMC Projects – This layer shows all FCD projects in a polyline format.  If you click on any projects you will get an infowindow which displays the project name.
- o Maricopa County Watersheds - If you click on any watershed you will get an infowindow which displays the name.
- o NWS PSR Forecast Zones – National Weather Service, Phoenix Office, Forecast Zones layer.
- o CBRFC River Gages – Colorado Basin River Forecast Center River Gages.  This layer will overlay a file which shows the location and status of the gages.  If you click on any gage you will get and infowindow which displays more information and a link to the hydrograph.
- o HPC QPF – 6hr, 24 hr 1day, 24 hr 2 day, 24 hr 3 day - displays the Hydrometeorological Prediction Centers' Quantitative Precipitation Forecast Data.  When checked, colored polygons with predicted rainfall totals will be overlaid on the map.
- o NWS Warning Statements *turned on by default* - this displays the most current NWS Warnings Layer. It will display a polygon wherever a Tornado, Severe Thunderstorm, or Flash Flood Warning is issued.  The map auto refreshes this layer every 2 minutes if it is turned on.

- **WDT Radar Products**
  - ➤ A company named Weather Decision Technologies, or WDT provides radar, precipitation and satellite overlays to the District for public display.
    - o Radar layer off *selected by default*
    - o Base Radar Reflectivity – this will add the latest radar layer.  The timestamp of this radar product will be displayed in the blue data box at the top of the map.
    - o 1 –hr Precipitation Estimates – Gage adjusted Precip Estimates, legend will display
    - o 6 – hr Precipitation Estimates – Gage adjusted Precip Estimates, legend will display
    - o 24 – hr Precipitation Estimates – Gage adjusted Precip Estimates, legend will display

- o IR Satellite Images
  - o Loop Radar Box – Once you click on the "Radar" button, check this box and your Base Radar Reflectivity will loop.  The timestamp for all the layers will be displayed in the blue data box at the top of the map.
- **Legend Layers**
  - ➢ NWS Warnings Legend *checked by default* - This will turn the legend off only.  The layer will still be turned on if the NWS Warning Statements box is still checked above.
  - ➢ WDT Radar Legend *checked by default* - This will turn off the WDT Radar Legends from displaying when viewing the WDT data.

- **Historic**
  - ➢ Displays historic rainfall data. Select a Month, Day, Year, time and time step need to be selected.  The Update Map button will overlay the requested data onto the map.
- **Info**
  - o FCDMC Data Legend – Displays the Weather Legend & icon descriptions.  This legend is moveable and resizable.
  - o MCAQD Data Legend – Displays AQI Index Legend & Current Weather Data legend.  This legend is moveable and resizable.
  - o About – Includes Information, Sources and our Disclaimer
  - o Contact – Contact person and FCD Information
  - o Mobile Version – Link to the mobile version of this map.  It is a stripped down version of the desktop version.  Features like geolocator have been added for convenience of the user.
    http://alert.fcd.maricopa.gov/alert/Google/v3/mobile.html
  - o FCDMC Website - http://www.fcd.maricopa.gov/index.aspx
  - o Rainfall & Weather Website - http://www.fcd.maricopa.gov/Rainfall/rainfall.aspx
  - o FCDMC Weather Outlook - http://www.fcd.maricopa.gov/Rainfall/Weather/outlook.aspx
  - o Facebook – Link to the Rainfall & Weather Facebook Page https://www.facebook.com/pages/Maricopa-County-AZ-Rainfall-Weather/136330769761403
  - o Twitter - https://twitter.com/FCDMaricopa

**Suggested Layers to View with Specific Datasets**

| | |
|---|---|
| **Rain Map** | Rainfall Intervals |
| | Overlay watershed boundaries |
| | MSP Forecast Zones |
| **Weather Map** | WDT Products (Radar & QPE) |
| | Add MSP Forecast Zones or PSR Zones |
| | Plot Temperature Data |
| **Streamflow Map** | Add Stream & River Layer |
| | View Current Conditions Graphic |
| **Dams & Basins Map** | Add FCD Projects Layer |
| | View Current Conditions Graphic |

# Mobile Map

**The link to the mobile map is**
**http://alert.fcd.maricopa.gov/alert/Google/v3/mobile.html or**
**http://bit.ly/fcdmobile.**

We have recently upgraded our Google Map Interface and have created an option to view our ALERT Data Display Google Map on your mobile and/or tablet devices. You are able to overlay rainfall data, streamflow data, impoundment data (dam and basins), weather data, loop radar and display NWS Warnings from this map.

This is a stripped down version of the Desktop map we just looked at. All the menus, markers, and infowindows look and function the same way as the Desktop Map. The NWS Warnings layer is overlaid by default but the legend is not turned on. You can turn the warnings or radar legend on within the Layers section. This map will geolocate you to your current GPS location. Make sure that you have the Location Services turned on for the default web browser you use on your device.
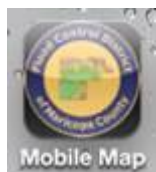
To access this map in one click, by adding a bookmark to your phones home screen:

**For and iPhone, iPad, iPod Touch**
Open up the mobile map in your phones browser:
1. Click OK if you are asked if the map can use your location
2. Click your share button
3. Choose Add to Home Screen.

This will add an icon with the FCD Logo to your home screen that will open up the map in one click next time you want to view it.



**Android Phones running Google Chrome**
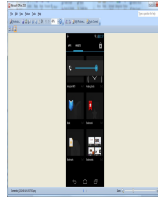Open up the mobile map in the browser:
1. Save the page as a bookmark in Chrome.
2. Go to your bookmarks and long press the new bookmark you just created.
3. A menu window will pop up; click on "Add to Home Screen".

This will add an icon to your home screen that will open up the map in one click next time you want to view it.

## Older Android phones
Open up the mobile map in the browser:
1. Save the page as a bookmark in your phones internet browser.
2. Open the phones "Bookmark Widget". This widget can usually be found by long pressing the home screen or by opening your app drawer and navigating into the widgets section.
3. Hold down the Bookmark Widget and place on your home screen (see image below for an image of Bookmark Widget) .A window will then pop up prompting you to pick which bookmarked page to use.



4. After selecting, the bookmark will be added to your home screen.

This will add an icon to your home screen and will open up the map in one click next time you want to view it.

Other Android Phones may have a different method to add Bookmarks to the Home Screen.  Please refer to your phones user manual and/or the internet to get the correct procedures.

## Blackberry Phones
This map will only work on the new Blackberry z10.  The older Blackberry phones have on outdated web browser that will not support the JavaScript code used in these maps.


**Note: The Desktop/Full Version works well on tablets but if you want to use the geolocator you will need to open the mobile map site.**