YouTube Tutorial Transcript: GAMA

Slide Showing Title and Logo

Hello and welcome! In this video tutorial, we will learn how to use the Groundwater Ambient Monitoring and Assessment Groundwater Information System, known as the GAMA GIS, to find domestic well data collected by the Irrigated Lands Program.

Accessing GAMA

To access the GAMA GIS from your web browser, start by entering "GAMA Waterboards" into your search bar.

Click on this link to get to the GAMA Homepage. Scroll down to the Quick Links section and click on the "Online tools" link**.** This page presents several different online tools for different groundwater issues. For this tutorial, we will be using the GAMA Groundwater Information System.

Clicking on the link will open a new tab in your browser that brings you to the GAMA GIS. The Filters box is opened as a default when you visit the site.

Making Query

We can define our query by selecting from the filters in the filters box.

For the GIS Filter dropdown, select Counties. Selecting counties will display the layer on the map. You can click on one or more Counties to limit your results to data in those counties. For this example, we will select San Luis Obispo County. You can verify which county is selected by seeing the county highlighted on the map, and by looking at the "selected GIS areas" section within the filters box.

For the Chemical filter, you can filter your results by selecting a chemical, which types of results to show, and a timeframe. To view data from the Irrigated Lands Program, you can select Nitrate or 123 Trichloropropane. For this example, we will select Nitrate.

To only see well data with exceedances, select results above comparison concentration in the Results to show filter. For this example, we will use the default and select all results.

For timeframe, we will choose all years.

For the well category, Select domestic and irrigation slash industrial.

After selecting the appropriate filters, click on Run my Query.

This will show you the results of your search query on the map and a data summary is provided in the table on the bottom right. You can click on a well location on the map to find detailed information about the well, including sampling results.

Downloading

To download the data for our specific query, navigate to the toolbar along the bottom and select the download data widget, shown with a downward arrow. From there, select "download data". The data will be available in your downloads folder as an excel file format.

Another way to download data is by using the Tabular Data Download option. Clicking on this will bring you to a new page for GAMA Data downloads. At the bottom of the page are 2 options: County specific downloads and statewide downloads. If you open the menu for County specific downloads, you can see a list of all the different counties in CA and all the different datasets mapped in the GAMA GIS. This allows you to narrow down the datasets so you can directly download all chemicals for a certain county and dataset. For this tutorial, we will scroll down to San Luis Obispo County and select WB ILRP. The data will be available in your downloads folder as a text file.

Contact Info

Thank you for watching this video tutorial. For questions, please contact the Irrigated Lands Program at agnoi@waterboards.ca.gov or (805) 549-3148.