Hometown Geology Library Guide

BEFORE you begin this lab, you will need to:

1) Decide the location you want to study for the assignment
2) Identify a topographic map for your location
3) Identify a geologic map for your location

Use this guide and the listed websites to identify your maps.

Need help?
Hometown Geology Site: http://lib.asu.edu/mapcoll/geology/geology103
Map Collection staff at: (480) 965-5183

1) What location will you be studying? ______________________________________
   (Have an international location? Go directly to Step 3, Identifying a Geologic Map listed on page 2.)

2) Identifying a Topographic Map
   Go to the Geographic Names Information System (GNIS) website at
   http://geonames.usgs.gov/pls/gnisp
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   • Enter the name of your town or location in the Feature Name field on the GNIS query form.
     Enter your state in the State or Territory field. If your study location is your hometown, change the
     Feature Class to “populated place.” Leave the other search boxes blank. If you are locating a
     geographic feature other than a hometown (such as mountains, parks, forests, etc.), leave the Feature
     Class textbox empty.
     Example:

     ![Query Form For The United States And Its Territories]

     • Click on the Send Query button.
     • In the first column on the left labeled Feature Name, locate your hometown.
     • To find geographic features other than hometowns, look in the third column labeled Class
       and locate your geographic feature based on its category classification (for example: mountain features
       are classed as “summits”)

Name ______________________________________
Name of Map Area _____________________________
Next, look in the column labeled **County** and write down the name of the county in which your hometown or geographic feature is located. (Later in this exercise, you will use the name of the county to locate a geologic map.):

**County:** ________________________________________________________________

A topographic map is needed to complete this lab. The column labeled **Map** indicates which topographic map corresponds to your hometown or geographic feature. From this column, write down the name of the map for your study area:

**USGS 7.5 Minute Topographic Map:** __________________________________________

3) Identifying a Geologic Map

- Go to the [ASU Libraries’ Hometown Geology Library Guide](http://libguides.asu.edu/GLG103) and follow the directions.

Find at least one geologic map. Finding a second map is encouraged – just in case the first map does not suit your lab assignment. Write down the title, call number and circle whether the map is located on the shelf.

**Map Title:** ________________________________________________________________

**Call Number:** ____________________________________________________________

Located on Shelf? Y___ N___

**Map Title:** ________________________________________________________________

**Call Number:** ____________________________________________________________

Located on Shelf? Y___ N___

Remember to contact the **Map Collection (480-965-5183)** if you have any trouble finding your map!

**Citations:** A citation will be necessary for each map you use. For **geologic maps**, the citation format should include: Author. Title [map]. Scale. Place of publication: Publisher, Date.

For **topographic maps**, the citation format should include: Author. Sheet title. Edition. Scale. Series title. Place of publication: Publisher, Date.