

Name: \_\_\_\_\_ Lab: \_\_\_\_\_

## Hometown Geology Library Guide

For your assignment, you need to find a topographic map and a geologic map of your hometown or of a feature in that area. Use this worksheet and the Hometown Geology Library Guide web site to identify which maps you will need to use during your visit to the ASU Library Map Collection.

**What is the name of the place you will be studying?**

\_\_\_\_\_

**Go to the Hometown Geology Library Guide at:**

<http://www.asu.edu/lib/hayden/govdocs/maps/GEOL103.html>

### 1. Finding a Topographic Map

U.S. Topographic maps in the Map Collection are organized by state and by the map title. (To find topographic maps for other countries, refer to the directions on the web site.)

To find the title of the topographic map covering your area:

- Click on the link to the **GNIS** (Geographic Names Information System) web site.
  - Enter the name of your town or feature in the **Feature Name** area on the GNIS query form.
- For example:

Feature Name:

State or Territory:

- Use the pull-down menu to identify the name of the state.
  - Scroll down and click **Send Query** to perform the search.
  - Look for the place name that best matches your search. The field labeled "**USGS 7.5' x 7.5' Map**" lists which topographic map shows the town or feature you've chosen to study.
- For example:

Feature Name	St	County Equivalent Name	Type	Latitude nn°nn'nn"	Longitude nnn°nn'nn"	USGS 7.5' Map
<a href="#">Flagstaff</a>	AZ	Coconino	populated place	351153N	1113902W	Flagstaff West
<a href="#">Flagstaff City Park</a>	AZ	Coconino	park	351225N	1113935W	Flagstaff West
<a href="#">Flagstaff City Reservoirs</a>	AZ	Coconino	reservoir	351419N	1113946W	Flagstaff West

Fill in the following information:

**Name of County:**

\_\_\_\_\_

**Name of Topographic Map(s):**

\_\_\_\_\_

*Return to the Hometown Geology Library Guide web site.*

## 2. Finding a Geologic Map

Geologic maps in the Map Collection are organized by call number.

To find a geologic map of your area in the Map Collection:

- From the Hometown Geology Library Guide site, click on the link to the **ASU Libraries Map Index**. Then click on the **Web** link to access the database.
- In the **Term(s)** box, type in the name of your hometown or feature, your state and the word "geology". If you are searching for maps of international locations, type in the city or feature, the country and the word "geology".

For example: **Tempe Arizona geology**  
**Guaymas Mexico geology**

*Please enter search criteria in the fields below:*

<b>Field</b>	All
<b>Term(s)</b>	Tempe Arizona geology

- The **Field** box should be set on **All**.
- Scroll down and click **Submit Query**.
- If your search does not return any results, try searching the name(s) of the topographic map(s) you identified earlier and "geology". You also can search the county name and "geology". For international sites, search just the country name and "geology".

For example: **Sunnyslope Arizona geology**  
**Maricopa County Arizona geology**  
**Japan geology**

- If you still cannot find a geologic map of your specific area, search for a state geologic map.  
 For example: **Colorado geology**
- Try to find at least one geologic map of your area. When you find an appropriate geologic map, write down the following information: (Be sure to write down the entire call number.)

**Title of Map:**

---

**Call Number:** \_\_\_\_\_ **Location: Case Shelf**

**Title of Map:**

---

**Call Number:** \_\_\_\_\_ **Location: Case Shelf**