

Developing Map Skills *Handout*

Students use the WaterAtlas website, compasses and USGS maps to develop map skills.

Create a data table for your study lakes so as to organize the information for use and analysis.

1. Access the Seminole County Water Atlas to obtain your data. Go to www.Seminole.WaterAtlas.org. > The Atlas > and use the scroll-down menu to select a lake. When the General Info page appears, scroll down to the bottom of the page to find the latitude and longitude of the particular body of water and the USGS Quarter Quad map on which that that particular body of water can be found.
2. Using the latitude and longitude figures printed on the edges of the map, locate the first lake on your list. Using the location of the second body of water, determine and record the bearing one would have to take from the first lake to get to the second lake, "as the crow flies." Continue collecting data until all locations have been plotted.
3. Determine the change in elevation from one body of water to another. On the website, click on the Hydrology Tab and scroll down to the Bathymetric Map > Lake Elevation. An estimation may be computed by using the USGS maps.
4. Return to the lake website pages, Hydrology tab. Scroll down and view the contour maps of the bodies of water you worked with. Create a new data table illustrating the lakes with the greatest change in depth and rank the lakes in order of their overall average depth. Begin with the most shallow down to the deepest.

Name:

Date: