

# What Does That Data Mean? *Teacher's Guide*

*Download data and analyze using tables, time-history graphs and spatial graphs.*

**GRADE LEVEL:** 9th – 12th

**SUBJECT AREA/COURSE:** Chemistry, Environmental Science

**SUNSHINE STATE STANDARDS:**

- The student uses the scientific processes and habits of mind to solve problems. (SC.H.1.4)
- The student understands that most natural events occur in comprehensible, consistent patterns. (SC.H.2.4)
- The student understands that science, technology, and society are interwoven and interdependent. (SC.H.3.4)

**ACADEMIC OUTCOMES/LESSON OBJECTIVES:**

- Students will create a data table using the website and Excel.
- Students will create a time-history and spatial-trend graph using data from the website.
- Students will describe the graphs produced using a summary sentence.

**MATERIALS NEEDED:** Internet access with a book mark at [www.Seminole.WaterAtlas.org](http://www.Seminole.WaterAtlas.org), Excel or equivalent spreadsheet program

**SAFETY:** N/A

**VOCABULARY:** data table, graph, parameter, time-history graph, spatial-trend graph

**AUTHOR:** Trent Daniel