

Introduction to Air & Water Temperatures

Handout

Students interpret graphs and draw conclusions.

RESEARCH DATA FOR CAMPBELL PARK ELEMENTARY COMPS STATION

1. Go to www.pinellas.wateratlas.org. Go to the bottom and open the link for the Near Real Time Data Mapping Application.

2. Zoom in to the St. Petersburg area and select the station for Campbell Park-CPK (in downtown St. Petersburg).

a. What data are recorded at this station? _____

3. At the top where Data Source is provided click the link for COMPS and then select the Contact URL link at the bottom of the metadata box. Click on the General Information link on the left. Read the first 3 paragraphs and answer the following questions.

a. Who created COMPS and why? _____

b. What does COMPS stand for? _____

c. What does COMPS provide? _____

4. Click the back arrow. Select the station for Campbell Park (#63). The parameters recorded by this station are displayed.

a. What is the date and time of the last measurement? _____

b. Convert the UTC time shown to your local time (See the section for latest observations).

5. Close the windows for COMPS and Metadata Summary. You should be back on the Water Atlas site page for the Campbell Park Station. Observe the 31 day graphs of recorded data by clicking on the tab for 31 day graph.

a. What do you notice about the scale for the air and water temperature graphs? Are they the same? How are they different? _____

b. What is the highest air temperature recorded in the last 31 days (estimate)? _____

c. What is the highest water temperature recorded in the last 31 days (estimate)? _____

d. Compare the two graphs. Look at the trends. What does this tell you about the relationship between the air temperature and the water temperature? _____

Name:

Date: