

Seminole County Water Atlas Learning Kit

Reading Statistical Tables *Handout*

Students will compile and utilize a statistical table using website data.

Water Atlas Curriculum Lesson 35

INSTRUCTIONS:

1. Go to the website: <http://www.Seminole.WaterAtlas.org/>. Go to the Water Resources Search box on the right side of the page. Go to the first lake on your list. Use links in the website to define and learn the vocabulary terms and what the trophic state index means.
2. Complete the data table. Use the search box to move from lake to lake on the website.
3. Which has the greatest mean depth? The least mean depth? What does mean depth tell you?
4. You plan to go fishing on Bear Gully Lake. Find the contour map for that lake (under the Hydrology tab). Read about contour maps. Why are deep spots important to fisher folk? Bring up the map. Where would you start fishing?

DESCRIPTIVE DATA ON LAKES IN THE SEMINOLE WATERATLAS:

	Lakes	Surface Area in Acres	Mean Depth in Feet	Maximum Depth in Feet	Trophic State Index	Impaired or OK?
1	Ada					
2	Adelaide					
3	Alma					
4	Asher					
5	Bear Gully					
6	Bear Lake					
7	Lake Brantley					
8	Buck Lake					
9	Lake Kathryn					
10	Greenwood Lake					
11	Long Lake					
12	Lake Mills					
13	Mullet Lake					
14	Lake Orienta					
15	Secret Lake					

Name:

Date:

Page 1

Seminole County Water Atlas Learning Kit

Reading Statistical Tables *Handout*

Students will compile and utilize a statistical table using website data.

Water Atlas Curriculum Lesson 35

5. Tally the number of lakes according to Trophic State Index in the tables in the boxes below. If the lake is Impaired, write "Imp." instead of a tally mark.

Good		Fair	Poor
Oligotrophic 0-49	Mesotrophic 50-60	Eutrophic 61-69	Hypereutrophic 70-100

6. How can a lake in the Good section be impaired? (If you found an impaired lake, go to that lake and click on the Impaired icon. What other factors are considered when a lake is considered impaired? Read the information. Click on the graph icon and read the graph.)

7. There are four trophic states. Which is the mode for the lakes in the table?

Name:

Date:

Page 2