

Reading Statistical Tables *Handout*

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

INSTRUCTIONS:

1. Go to the website: www.Hillsborough.WaterAtlas.org. Open the ATLAS. 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. **a.** Which has the greatest mean depth? **b.** The least mean depth? **c.** What does mean depth tell you?
4. You plan to go fishing on Twin 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 HILLSBOROUGH WATERSHED ATLAS:

	<i>Lakes</i>	<i>Surface Area in Acres</i>	<i>Mean Depth in Feet</i>	<i>Maximum Depth in Feet</i>	<i>Trophic State</i>	<i>Impaired or OK?</i>
1	Platt Lake					
2	Saddleback Lake					
3	Hobbs Lake					
4	Lake Carlton					
5	Buck Lake					
6	Egypt Lake					
7	Keystone					
8	Juanita Lake					
9	Lutz Lake					
10	Lake Thonotosassa					
11	Lake Reinheimer					
12	Lake Alice					
13	Twin Lake					
14	Lake Wimauma					
15	White Trout Lake					

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

<i>Good</i>		<i>Fair</i>	<i>Poor</i>
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: