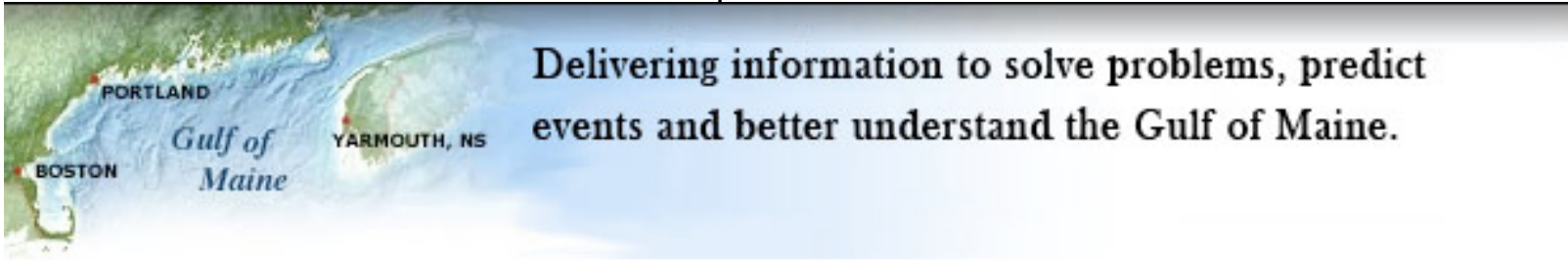
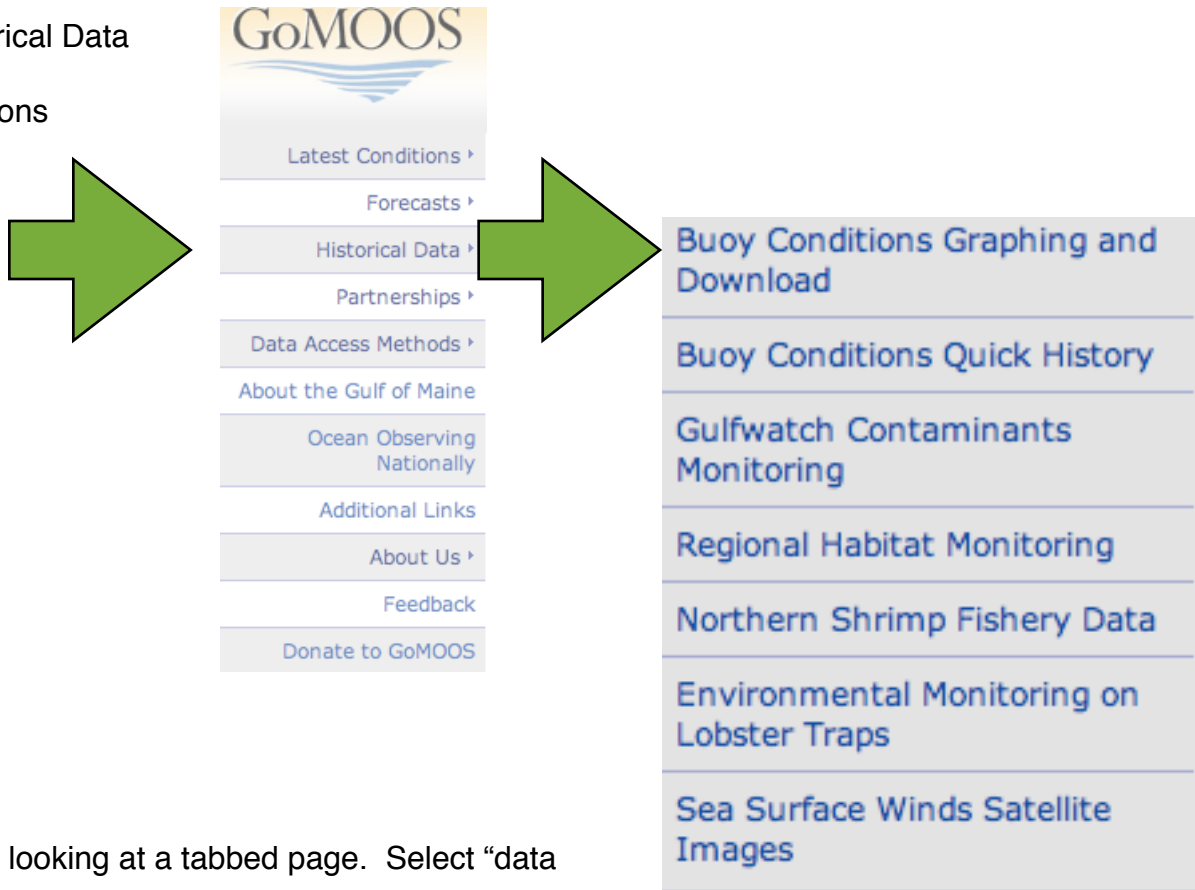


Finding, Using, and Interpreting Data  
Mj Stafford

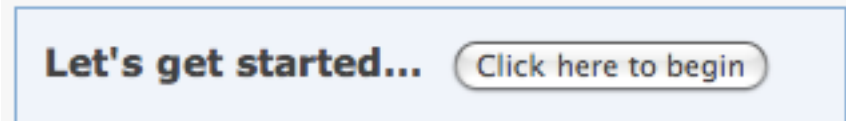
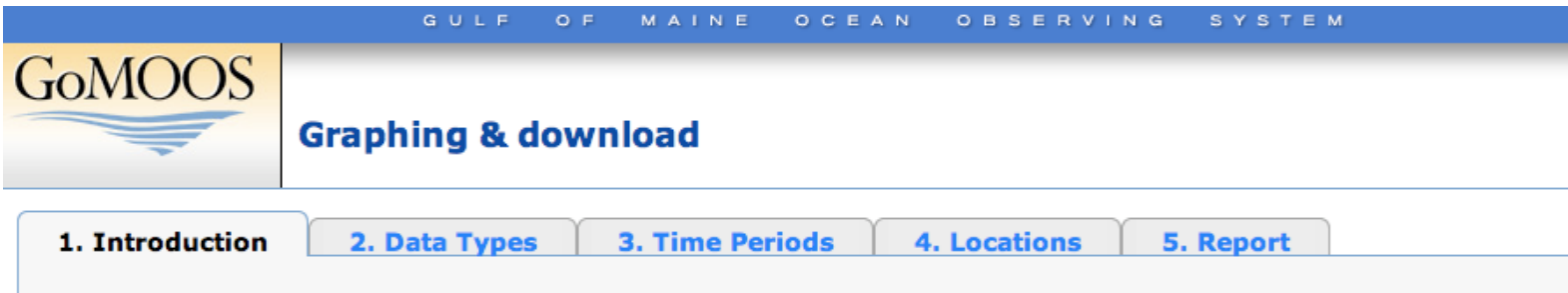


1. Open a browser: [http:// www.gomoos.com](http://www.gomoos.com)

2. Select Historical Data and Buoy Conditions



3. You are now looking at a tabbed page. Select "data types."



## Finding, Using, and Interpreting Data Mj Stafford

4. Select a data type, a time period, a location and then create a report. For the chlorophyll count, the site did not generate a graph so this particular set would require to graph with or without a spreadsheet.
5. Students will then make a graph using Neo-Office spreadsheet. (This in itself will require some time and practice. )

Questions to consider for chlorophyll count in the Gulf of Maine. How does this change in a year? What might explain this? What other data might you look at to support your reasoning?

Extension: Have students select another data set that might be related to sunlight hours and make a scatterplot to see if there is a correlation.

From Gomoos:

```
"Time-UTC", "I013m-Monthly_Average-Chlorophyll_ug/l"
"2008-08-01", ""
"2008-09-01", "4.325"
"2008-10-01", "2.204"
"2008-11-01", "2.876"
"2008-12-01", ""
"2009-01-01", "0.470"
"2009-02-01", "0.584"
"2009-03-01", "0.650"
"2009-04-01", "0.442"
"2009-05-01", "1.940"
```

Month	Chlorophyll (microg/l)
08/01/08	
09/01/08	4.33
10/01/08	2.2
11/01/08	2.88
12/01/08	
01/01/09	0.47
02/01/09	0.58
03/01/09	0.65
04/01/09	0.44
05/01/09	1.94
06/01/09	1.42
07/01/09	2.78
08/01/09	2.43

```
Sheet1
"2009-06-01", "1.416"
"2009-07-01", "2.778"
"2009-08-01", "2.428"
```

