

### Lab: Nautical Charts

A nautical chart is a graphical representation of a maritime area and adjacent coastal areas. Think of it as a topographical map of marine, estuarine and freshwater areas for use by boaters and researchers. Answer the following questions based on the nautical chart given to you.

1. This chart was reproduced from charts made from what agency?
2. What was the year this chart corrected to (updated)?
3. Describe the location of your chart on the map of Florida presented.
4. The map of Florida index shows gray boxes for offshore charts, white boxes for coastal charts, and black boxes for harbor charts. Which of these describes your chart?
5. What is the major body of water on your chart?
6. What is the closest major city to the area depicted?
7. Describe the location of at least one harbor.
8. What is the range of latitude shown?
9. What is the range of longitude shown?
10. Some specific locations are identified with latitude and longitude in a box. Identify two such locations and describe the area by latitude and longitude along with a more general description.
11. What is the scale used?
12. Using the scale, relate nautical miles and yards.
13. What is the depth interval used?
14. Located the compass rose and describe its direction compared to the chart. Does north point straight up on the paper? Why or why not?
15. The inner circle of the compass says "magnetic". What does this indicate and why does it not line up with the outer circle?
16. List five major landmarks on your chart.
17. Identify and describe an underwater area with a steep slope.
18. Identify and describe an underwater area with a gentle slope.
19. Where would you look for salt marshes or mangroves in this area? Why?
20. Shipwrecks are identified by a picture of a tipping ship or a ship frame. Identify a shipwreck and describe its location.
21. Are there any protected areas on your chart? If so, what are they?
22. What do you feel would be the three biggest human impacts on this area?