

## Instructions for Tides/Water Levels presentation

In advance of Tides/Water Levels ppt:

- Ask what (electronic) nav equipment they have on their boat. (And/or what they have on a tablet, etc.)
- Ascertain whether they are in marine or riverine/lacustrine environments
- Have them bookmark either (or both) of the websites below
- Confirm that they know how to do a "Print Screen".

## Obtaining T&C Prediction Plus Observed Data

Alternate: Predictions + Real

1. Bookmark: [tidesandcurrents.noaa.gov](http://tidesandcurrents.noaa.gov)
2. "What We Do"
3. For Tides, click on "Tides and Water Levels" (will be a similar sequence for "Currents")
  - a. For Predictions, click on that
  - b. Select the State, thence the Station/s closest to the Operating Area
  - c. You'll get today's prediction w/a graph on left; today's table on the right, a several-day table below
  - d. Select "LST/LDT" for time zone; leave Units & Datum alone (!), use either "High/Low" (or hourly) for the Data Interval
  - e. You can do screenshot captures and paste them into a Word Document. Note: If you picked hourly heights, you will want to view the data on a separate page from the graph.
4. For "Observed Water Levels", follow steps 1-3.a, thence
  - a. Click on "Water Levels"
  - b. Select the State, thence the Station/s closest to the Operating Area (Note many fewer stations)
  - c. You'll get today's prediction (blue) plus observed (red) water level curves
  - d. If you hover the curve, you will see a pop-up of the two numbers.  
(You can estimate correctors from these if you have a technical background.)
5. WL gauges: start from:
  - [water.weather.gov](http://water.weather.gov); or Army CoE District water levels, or USGS water levels (seldom, they do flows)...
  - scroll to (state/locale;) hover over gauge to see WL table
    - a. Review what the Lake Level Elevation is for that chart's datum for Soundings & Bridge Clearances.
    - b. Adjust soundings/clearances for Observed Lake Level vs the elevations in the Title Block of the Chart.