

You take the following bearings (no deviation) at the time of your EP, 30 minutes after tacking:

Abandoned Lt House on Bird Island	032°M
Cleveland Ledge Light	132°M
Daymark R "2A" off Angelica Pt.	267°M

6. What is your Lat/Lon? How does this fix differ from your Estimated Position for the same time?

7. After a couple more tacks, you're approaching West Island. You'd like to go between the island and R "2" Bell. Provide a danger bearing to a target that will allow you to do so safely. Assume your boat draws 6 feet and it's an average low tide. If you remain in safe water, will the bearing to the target be \geq the danger bearing or \leq the danger bearing?

After a couple more tacks, you've cleared West I Ledge and left Mosher Ledge R N "4A" close to starboard, headed for Padanaram. Now you can ease sheets and aim for R N "6" marking Bents Ledge. Plot that course.

8. Using page 24 in Eldridge, determine the current. Use the tabulated value for 'Dumpling Rocks' found near the bottom of the page in the Buzzards Bay section. It's July 14 at 3:00pm. Don't forget to adjust the Max Speed by the 'Rule of Thumb' based on High Water in Boston for the 14th. See the bottom of the July Boston Tide pages. What is your current vector? True or Magnetic?

9. Plot a current triangle between Mosher Ledge and Bents Ledge using a boat speed of 4 kts. A half hour would be a convenient time interval. Assuming with sheets eased there is no leeway, what is the Magnetic heading to Bents Ledge adjusted for the current? After consulting the Deviation Table, what should you steer?

10. As you pass the light entering Padanaram, how much water above or below the charted depth would you expect?