

Class Exercises for Session 5*

Tide Tables; Current Tables
Chapters 13 and 14 of the Course book

**See complimentary PowerPoint class presentation available for download from
www.MarineNavigationBooks.com*

Part I: Tide Tables

5.1 Tide times and heights

What are the times and tidal heights at Fulford Harbour on July 14, 2016 (Appendix 3, p. 103)?

5.2 Tide heights from interpolation

What is the tide at Fulford Harbour at 15:30 on July 6, 2016?
(Appendix 3, p. 103; Table 5 and 5A in Appendix 5, p 105)

5.3 Time for a specific tide height

At what time, in the afternoon of August 29, 2016 will the tide have risen to 4 m at Point Atkinson? (Appendix 4, p 104; Table 5 and 5A in Appendix 5, p 105)

5.4 Scope and rode length for overnight anchoring

You arrive near Point Atkinson on August 10, 2016 at around 17:00, and decide to anchor overnight in a cove where the charted depth is 6 m. The weather forecast calls for moderate to strong winds overnight, so a 7 to 1 scope (height/length) would be appropriate. What is the minimum rode you should use, given that the freeboard of your boat is 1.3 m?

5.5 Highest tide

What is the highest tide (time and height) at Gibsons, September 11, 2016? (Appendix 2, p. 102; Appendix 6, p 106; and Appendix 7, p. 107)

Part II: Current Tables

5.6 Porlier Pass, July 18, 2016

- a) Give the time of the mid-morning turn at Porlier Pass on July 18, 2016 (Appendix 12, p. 112).

Turn at: _____

- b) For the periods before and after the turn, give the type of current (flood or ebb), its maximum speed in each direction, the time of these maximum speeds, and the direction of the current during these periods before and after the turn.

Before turn:

Max speed _____; Time of Max Speed: _____; direction: _____

After turn:

Max Speed _____; Time of Max Speed: _____; direction: _____

