



Additional Cruise No. 1: Crescent Beach/Active Pass/Sand Heads

Use CPS Training Chart IC/CA 9996, using a variation of 18"E.

The Boat:

Whiskeyjack is a 8.5 m (28 ft) motor cruiser with a flying bridge, and two inboard engines. In addition to the mandatory safety equipment, as specified by the Boating Safety Guide, she has on board 46 m (150 ft) of 2.5 cm (1 inch) polypropylene braided line, attached to a towing hook, and a towing bridle. The tow-ing cleats have been reinforced to take the strain of a heavy tow.

The boat's displacement weight is 5,000 kg (11,000 lbs). The cruising speed is 6 knots and maximum hull speed is 18 knots.

Point of Departure: Crescent Beach Marina, L 49° 03.4' N, Lo 122° 52.1' W.

Date: Use today's date.

At 0715 you start the engines, and leave the marina at 0730 running at 2 knots. At 0751 you line up on the range, and a GPS fix places you at L 49° 03.4' N, Lo 122° 53.5' W. You check your GPS and find that the sun rises at 0540 and sets at 2110, so you have lots of time for your trip. The weather is fair and visibility is unlimited. There are four persons on board: the skipper, two students and Charlie. A Sailing Plan has been filed. The plan is to motor to the eastern entrance of Active Pass to drift while fishing, have lunch in Campbell Bay, and then return to Crescent Beach marina.

1. Plot and label your 0751 GPS fix.

2. At 0751 you start down the range seawards, at 6.0 knots. What is your compass course to steer?

040°

3. You make a note to advise NOTMAR (Notices to Mariners) that aid QR is incorrectly placed on the chart. What is the problem?

wrong side of channel for safe water

2. At 0825, you change course to 168' compass and maintain the same speed. What is the true course?

186°

5. The South Cardinal Bell Buoy, southeast of Point Roberts is abeam to starboard at 0900.

a. What is your distance away?

1.2 nm

b. What is the true bearing of the South Cardinal Buoy?

276°

6. At 0900, you change course for Georgina Point Lighthouse, at the north tip of Mayne Island.

Your compass course is 232° C. What is the true course?

250°

7. Describe Georgina Point Light fully.

Fixed steady white light, w/superimposed flashing white light every 10 sec. It is 17m above datum, and is visible from 12M. it has a fog signal that sounds every 30 sec., and had a radio beacon.

At 1040 you stop the engines to drift and fish. At 1135 you set your prawn traps at the 70 metre depth as recorded on your depth sounder. You then carry on fishing. The weather continues fair, with unlimited visibility. As you look through your binoculars from the bridge you notice a vessel far to the NW, which appears to be drifting.

At 1245, Canadian Coast Guard broadcasts a "Pan Pan" over channel 16. The vessel Why Not is disabled and drifting SE of Porlier Pass. The Why Not's GPS places it at L 49° 0.2' N, Lo 123° 25.5' W. Your GPS makes your position L 48° 52.5' N, Lo 123° 13.0' W. You plot both positions and inform Canadian Coast Guard and the Why Not that you are proceeding to their assistance. You bring your vessel up on the plane at 18.0 knots.

8a) What is your compass course to steer?

295°

8(b) What is your ETA?

11.3 nm @ 18.0 = 37.6 min (38 min)= 1323 ETA

9. The *Why Not's* home port is Steveston, on the South Arm of the Fraser River. You check your GPS, and places you at L 49° 0.1' N, Lo 123° 24.4' W. At 1345 you plot your course for the Sand Heads Light at the entrance to the Steveston Jetty (at the south end of Sturgeon Bank). You plan to tow at a speed of 6 knots. What is your compass course to steer? What is your ETA for Sand Heads?

015° 7.5 nm @ 6.0 = 75 min = 1500 ETA

As you approach Sand Heads you stop to bring *Why Not* beside your boat for an alongside tow. Why would you do this?

At 1514, you are close aboard Sand Heads light. Describe it fully.

There are 2 lights; a fixed red at 31m, and a fixed white w/ a flashing red every 5 sec. at 16m. Visible from 10M. There's a fog signal every 30 sec. and it has a radio beacon.

Plotting is not required from your 1500 fix to the Steveston Marina. At 1550 you arrive at the marina. As you approach the marina you guide *Why Not* to her berth, and berth your own vessel beside her. You decide to stay for the night, and review today's happenings with your two students.