

Motorboat simulator navigational exercises No1 **Answers**

Lost & find at Port Scenery:

Name:

Part One - Plot a position on Chart Aus 811, and use the simulator to find the following casualties, navigating with due care and attention both to the navigational markers and the soundings encountered. Use *Port rescue east Saved Scenery* (Port Scenery).

Scenario 1:

12 mtr trawler sinking near the Settlement Point Ferry. $31^{\circ} 24'.2 \text{ S}$ $152^{\circ} 54'.2 \text{ E}$

Scenario 2:

Backpacker lost at Dick's Hole in Limeburners Creek. $31^{\circ} 23'.4 \text{ S}$ $152^{\circ} 52'.9 \text{ E}$

Scenario 3:

White sailing dinghies adrift in the Regatta Grounds. $31^{\circ} 25'.16 \text{ S}$ $152^{\circ} 52'.2 \text{ E}$.

Scenario 4:

Green yacht drifting ashore at the Whalebone Wharf. $31^{\circ} 25'.2 \text{ S}$ $152^{\circ} 52'.25 \text{ E}$.

Scenario 5:

12 metre trawler requires tow at the P M Slipways dock. $31^{\circ} 24'.5 \text{ S}$ $152^{\circ} 49'.4 \text{ E}$.

Scenario 6:

12 metre trawler aground on Green Point spit at Hugh's Inlet. $31^{\circ} 24'.0 \text{ S}$ $152^{\circ} 47'.6 \text{ E}$.

Plot a position on Chart Aus 811 from the information that has been reported, and use the simulator to find the following casualties.

Plan your C.C.T.S from your given position and calculate the E.T.A. at the maximum speed of your selected rescue vessel:

Scenario 7:

Trawler broken down at: $31^{\circ} 24'.0 \text{ S}$ $152^{\circ} 59'.6 \text{ E}$

Tacking Point 211°T (199°M)

Hastings River 252°T (240°M)

Mt Cairncross 282°T (270°M)

Cliff Peak 349°T (337°M) Sounding 40 mtrs

TCTS 068°T

CCTS 056°C

Distance 4.3NM

ETA + 0hrs 0mins

Scenario 8:

Green yacht broken down off bar Port Macquarie: $31^{\circ} 25'.3 \text{ S}$ $152^{\circ} 56'.8 \text{ E}$

Transit Hill 210°T (198°M)

Tacking Point 189°T (177°M)

Mt Cairncross 290°T (278°M)

Cliff Peak 007°T (355°M) Sounding 22 mtrs

TCTS 081°T

CCTS 069°C

Distance 1.6NM

ETA + 0hrs 0mins

Scenario 9:

Green yacht requires medical assistance: 31° 27'.1 S 152° 58'.1 E

Transit Hill 252°T (240°M)

Tacking Point 228°T (216°M)

Knobbies Hd. 280°T (268°M)

Hastings River 301°T (289°M) Sounding 31 mtrs

TCTS 125°T CCTS 113°C Distance 3.0NM ETA + 0hrs 0mins

Scenario 10:

Yellow buoy reported adrift at: 31° 19'.3 S 152° 59'.6 E

Cliff Peak 329°T (317°M)

Pt Plomer. 266°T (254°M)

Green Islet 347°T (335°M) Sounding 28 mtrs

TCTS 000°T CCTS 000°C Distance 0.0NM ETA + 0hrs 0mins

Scenario 11:

Blue yacht driving onto beach north shore: 31° 22'.5 S 152° 55'.9 E

Bago 237°T (225°M)

Cliff Peak 017°T (005°M)

Mt Cairncross 279°T (267°M) Sounding 2.6 mtrs

TCTS 000°T CCTS 000°C Distance 0.0NM ETA + 0hrs 0mins

Scenario 12:

12 metre trawler needs fuel (in Barries Bay): 31° 18'.5 S 152° 58'.3 E

Green Islet 004°T (352°M)

Mt Cairncross 262°T (250°M) Sounding 5.4 mtrs

TCTS 000°T CCTS 000°C Distance 0.0NM ETA + 0hrs 0mins

Scenario 13:

Blue yacht lost on transit of Tacking Point and Transit Hill: 31° 29'.7 S 152° 58'.35 E

Tacking Point 305°T (293°M)

Bird Rock 330°T (318°M)

Cliff Peak 358°T (346°M) Sounding 40 mtrs

TCTS 000°T CCTS 000°C Distance 0.0NM ETA + 0hrs 0mins

Scenario 14:

Sailing dingy adrift at: 31° 25'.2 S 152° 59'.5 E

Port Macquarie 215°T (203°M)

Cliff Peak 339°T (327°M) Sounding 32 mtrs

TCTS 000°T CCTS 000°C Distance 0.0NM ETA + 0hrs 0mins