

PORT SARCC NAV EX 5 - LKP AND CURRENT TWO:

Task:

To find the search datum with the current information gathered.

$$\text{SEARCH DATUM} = \text{LAST KNOWN POSITION} + \text{DRIFT}$$

Search Scenario - One Initial Reports:

1100 - Message received by SARCC from vessel “Misty”–




- “Misty” reports MOB in position **31° 20'.6S** **153° 03'.6 E.**

1130 - Message received by SARCC from vessel “Crown Rescue One”–

- “CR1” arrives at scene - no sign of MOB - CR1 deploys the drum.

1150 - Message received by SARCC from vessel “Crown Rescue One”–

- “CR1” and drum now drifted to position **31° 21'.197S** **153° 03'.301E**

Now prepare your Operational Plan			
What is the current direction & and rate?			
What is the expected position of the person overboard at 1200 hours?			
What is the expected position of the person overboard at 1230 hours?			
Operational information: <i>Distance to go - (LKP to Search Datum)</i> <i>Today's Forecast -</i> <i>Today's Tides -</i> <i>Today's Daylight -</i> <i>En-route Hazards -</i>			
De-briefing.		Did you: Find a new position? Find the current?	
Motorboat Sim. Port Scenery	200° T @ 1.8Kts 1.5Hr x 1.8Kts =2.7NM	31° 22'. 6 S 31° 23'.0 S	153° 02'.8 E. 153° 02'.3 E

Search Scenario Two - Initial Reports:

1830 - Message received by SARCC–




- You are contacted by a vessel reporting they have lost a person overboard about “an hour ago” They report their position as Tacking Point Lighthouse bearing 258° T, the north eastern edge of Point Plomer bearing 334° T and the red light on the northern breakwall bearing 283° T.

1915 - Message received by SARCC from vessel “Crown Rescue One”–

- “CR1” arrives at incident scene - no sign of MOB - CR1 deploys the drum.

1935 - Message received by SARCC from vessel “Crown Rescue One”–

- “CR1” and drum have drifted to position **31° 27'.721S 153° 03'.189E**

Now prepare your Operational Plan										
<p>What is the current direction & and rate?</p> <p>What is the expected position of the person overboard at 2000 hours ?</p> <p>What is the expected position of the person overboard at 2030 hours ?</p>										
<p>Operational information:</p> <p><i>Distance to go - (LKP to Search Datum)</i></p> <p><i>Today's Forecast -</i></p> <p><i>Today's Tides -</i></p> <p><i>Today's Daylight -</i></p> <p><i>En-route Hazards -</i></p>										
<p>De-briefing.</p>	 <p>Did you find? First position, last position and current.</p>									
<p>Motorboat Sim. Port Scenery</p>	<table> <tr> <td>190° T @ 1.2Kts</td> <td>31° 26'.3S</td> <td>153° 03'.3 E.</td> </tr> <tr> <td>2.5Hr x 1.5Kts =3NM</td> <td>31° 30'.3S</td> <td>153° 02'.6 E.</td> </tr> <tr> <td>3Hr x 1.5Kts =3.6NM</td> <td>31° 30'.8S</td> <td>153° 02'.5 E.</td> </tr> </table>	190° T @ 1.2Kts	31° 26'.3S	153° 03'.3 E.	2.5Hr x 1.5Kts =3NM	31° 30'.3S	153° 02'.6 E.	3Hr x 1.5Kts =3.6NM	31° 30'.8S	153° 02'.5 E.
190° T @ 1.2Kts	31° 26'.3S	153° 03'.3 E.								
2.5Hr x 1.5Kts =3NM	31° 30'.3S	153° 02'.6 E.								
3Hr x 1.5Kts =3.6NM	31° 30'.8S	153° 02'.5 E.								

Training resources:

Workbook- “Coastal navigation”.

Motorboat Sim.- Port Scenery>Situation> Port northerly.