

# TE AUMITI (FRENCH PASS)

LAT. 40° 55'S LONG. 173° 50'E

## TIDAL STREAM DIAGRAMS DURING SPRING TIDE CONDITIONS

### TIMES RELATIVE TO HIGH WATER AT NELSON

The following diagrams depict the direction and rate of the Te Aumiti (French Pass) tidal stream at hourly intervals during average spring tide conditions.

Each arrow represents the direction and rate of the tidal stream.

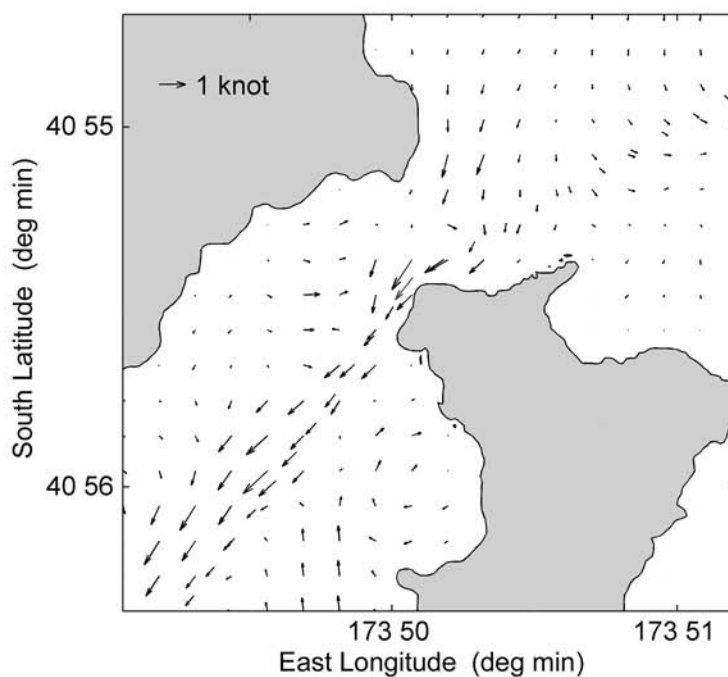
The arrows are arranged in a grid pattern at a spacing of 0.1 nautical miles. Additional arrows are included along the main channel at intervals of 0.1 nautical miles.

The diagrams commence 6 hours before high water and end 6 hours after high water at Nelson. The predicted times of high water at Nelson can be found on pages 60-62.

Tidal streams can be influenced by local weather conditions so caution is advised when navigating through this passage. Local tide rips and eddies are not shown on these diagrams. Chart NZ 6151 and the *Admiralty Sailing Directions* publication, *New Zealand Pilot* (NP 51) should be consulted for further information.

Additional notes about tidal streams in general, and the conditions at Te Aumiti (French Pass) in particular, can be found on page 28.

Predictions of the times of the commencement of the ebb (NE) and flood (SW) streams at Te Aumiti (French Pass) can be found on pages 115-117.

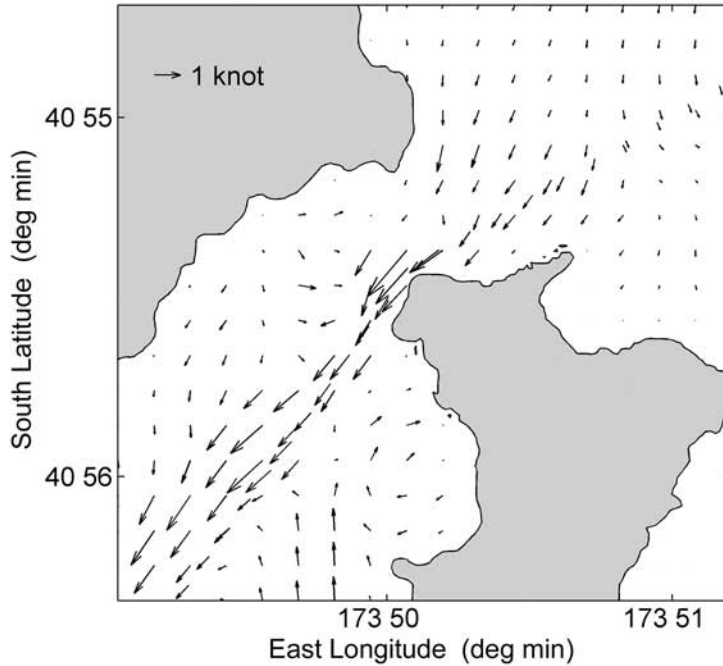


-6hr HW Nelson, Spring Tide

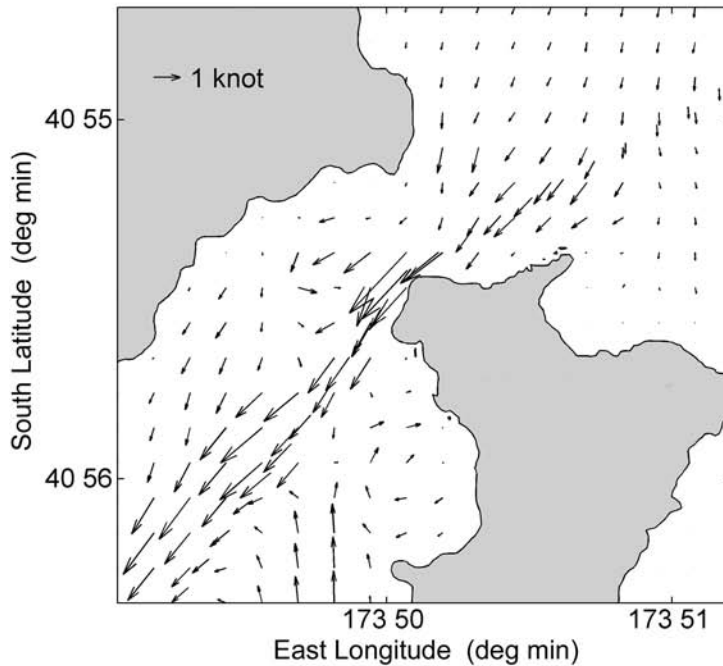
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## TIDAL STREAM DIAGRAMS DURING **SPRING** TIDE CONDITIONS TIMES RELATIVE TO HIGH WATER AT **NELSON**



**-5hr HW Nelson, Spring Tide**

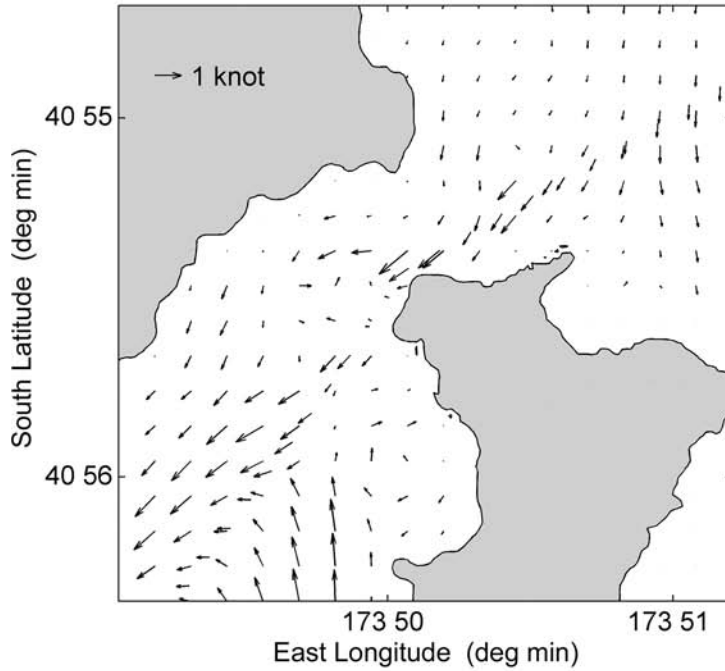


**-4hr HW Nelson, Spring Tide**

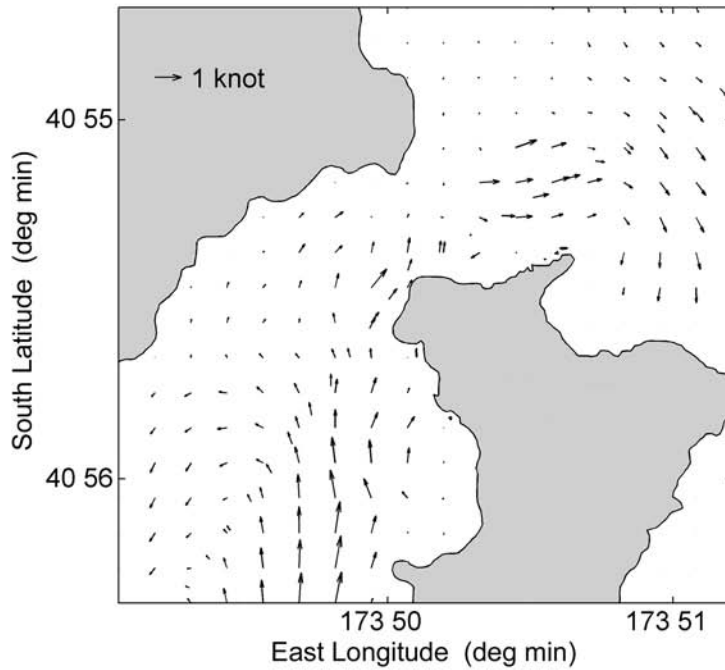
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## TIDAL STREAM DIAGRAMS DURING **SPRING** TIDE CONDITIONS TIMES RELATIVE TO HIGH WATER AT **NELSON**



**-3hr HW Nelson, Spring Tide**

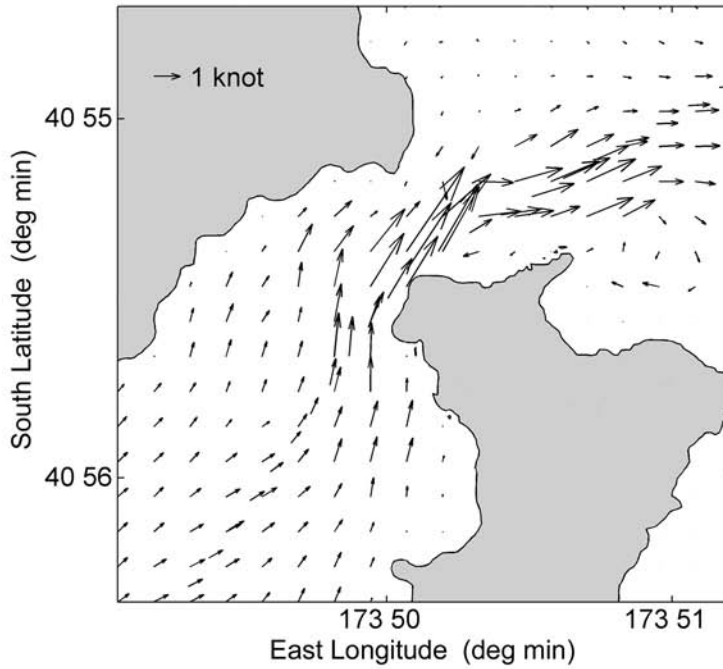


**-2hr HW Nelson, Spring Tide**

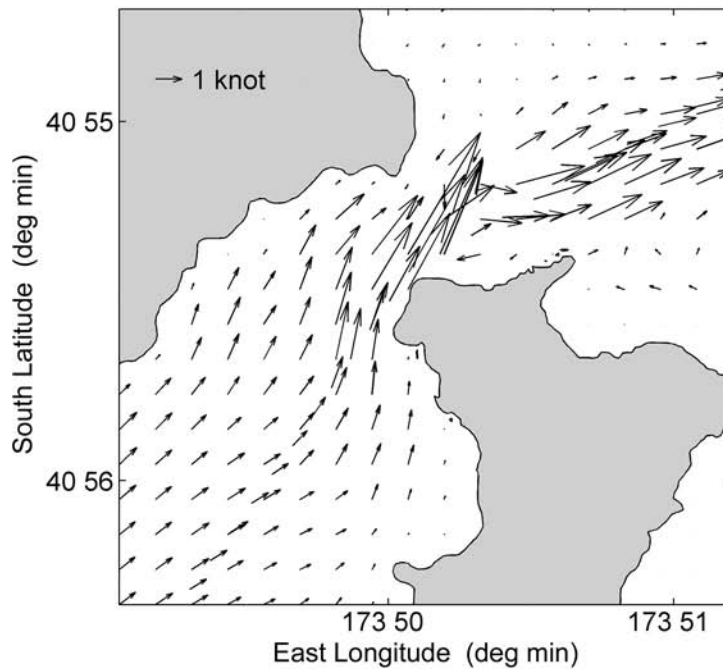
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## TIDAL STREAM DIAGRAMS DURING **SPRING** TIDE CONDITIONS TIMES RELATIVE TO HIGH WATER AT **NELSON**



**-1hr HW Nelson, Spring Tide**

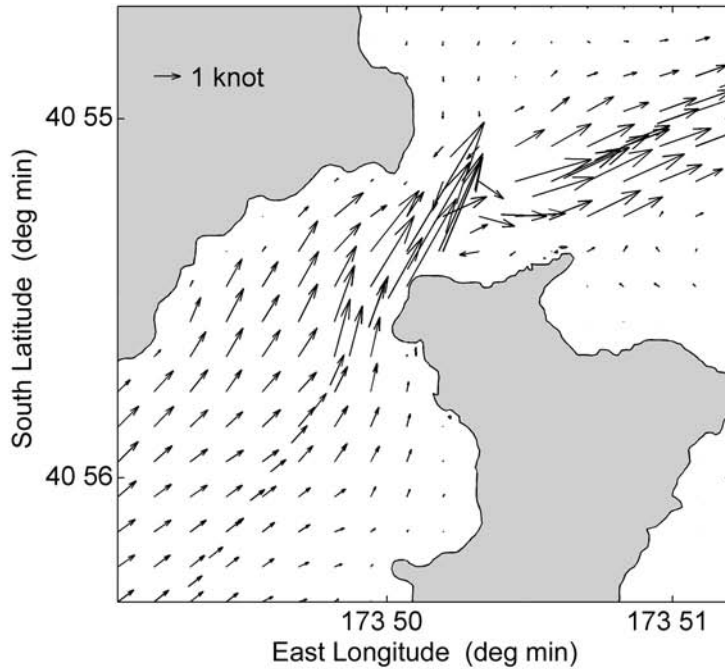


**At HW Nelson, Spring Tide**

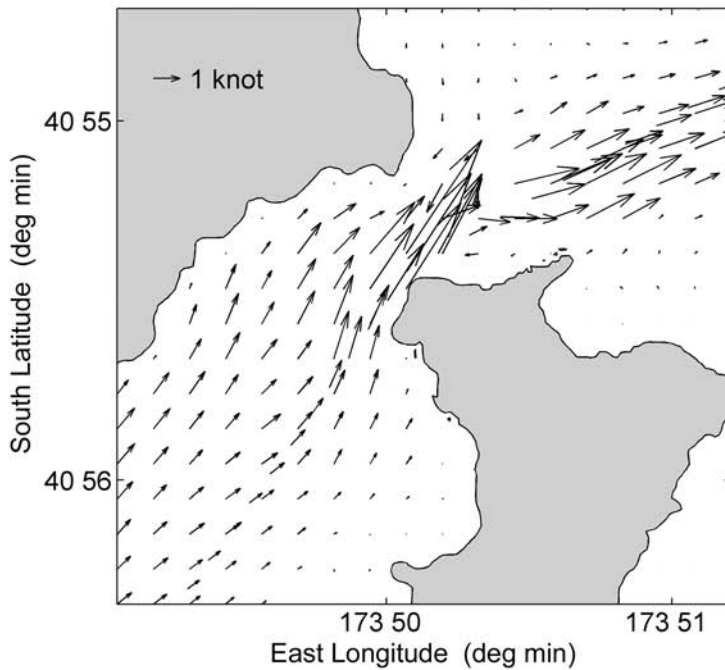
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## TIDAL STREAM DIAGRAMS DURING **SPRING** TIDE CONDITIONS TIMES RELATIVE TO HIGH WATER AT **NELSON**



**+1hr HW Nelson, Spring Tide**

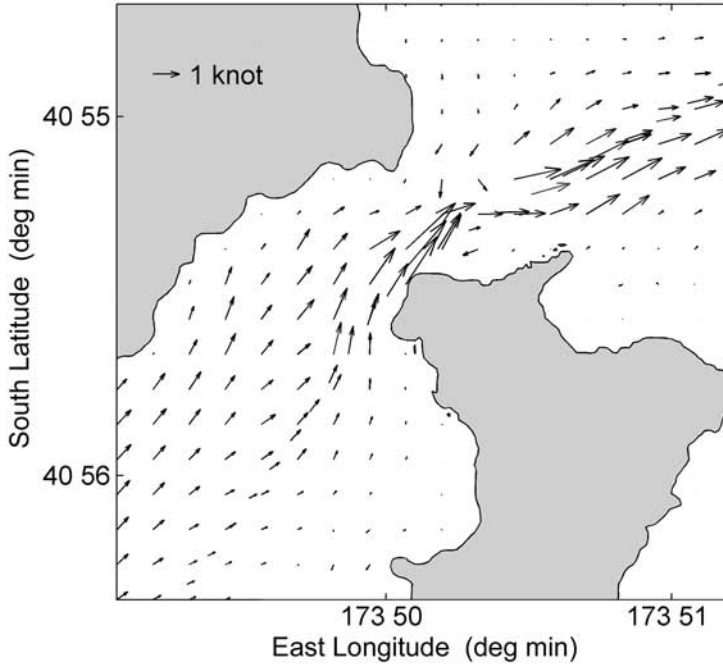


**+2hr HW Nelson, Spring Tide**

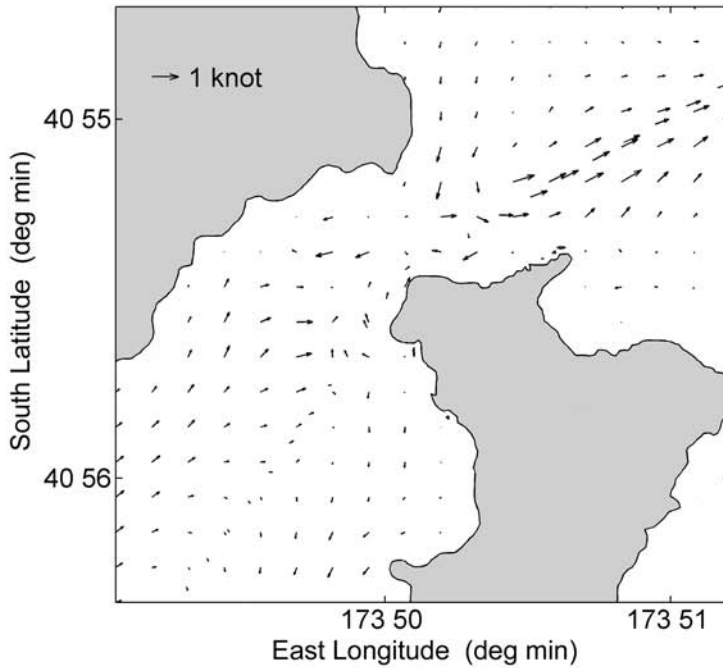
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## TIDAL STREAM DIAGRAMS DURING **SPRING** TIDE CONDITIONS TIMES RELATIVE TO HIGH WATER AT **NELSON**



**+3hr HW Nelson, Spring Tide**

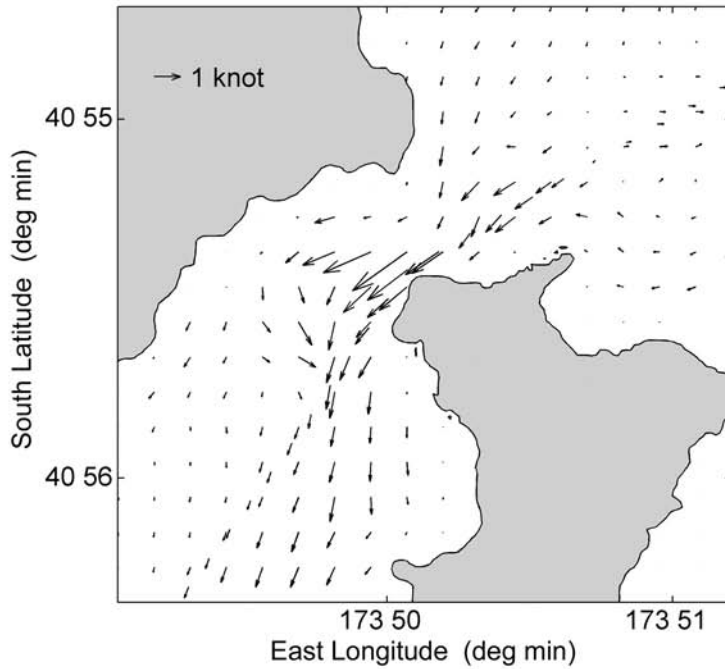


**+4hr HW Nelson, Spring Tide**

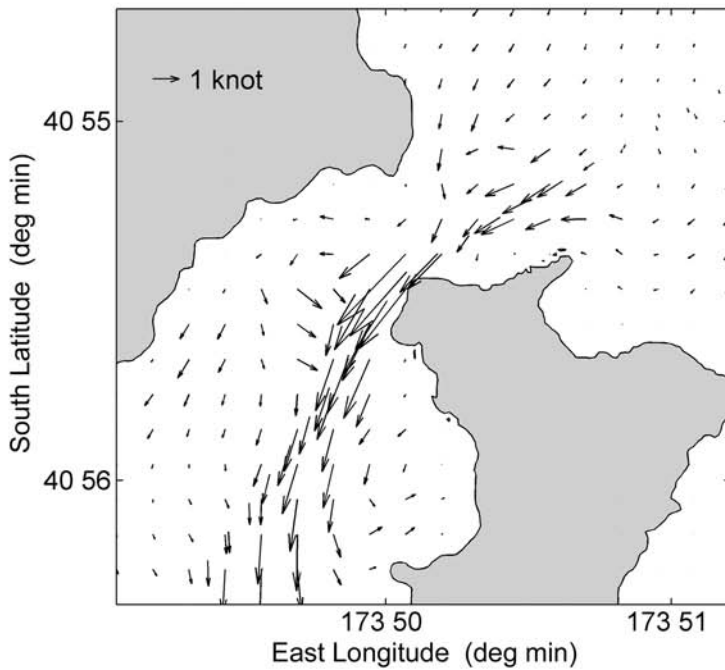
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## TIDAL STREAM DIAGRAMS DURING **SPRING** TIDE CONDITIONS TIMES RELATIVE TO HIGH WATER AT **NELSON**



**+5hr HW Nelson, Spring Tide**



**+6hr HW Nelson, Spring Tide**