

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.

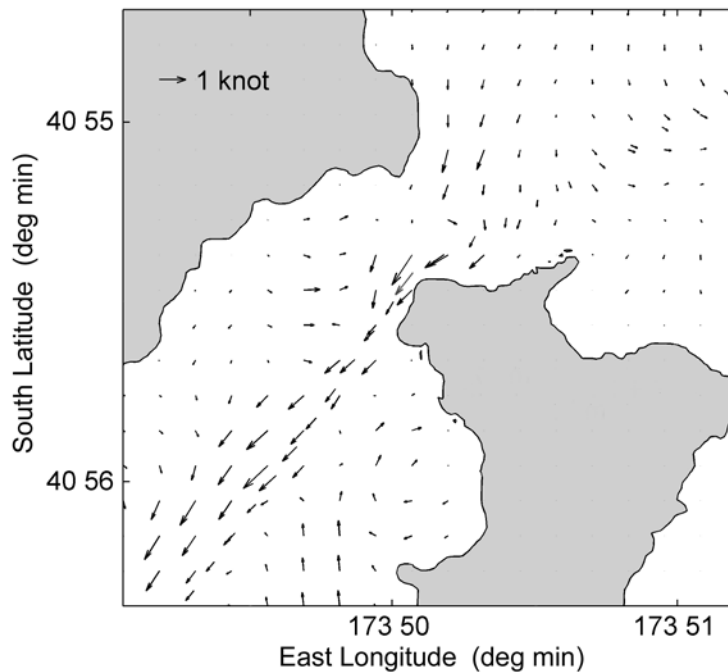
The arrows are arranged in a grid pattern at a spacing of 0.1 nautical miles. Additional arrows are included along the main channel at intervals of 0.1 nautical miles.

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 58 – 60.

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 publication *Admiralty Sailing Directions, New Zealand Pilot* (NP51) 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 26.

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 113 – 115.

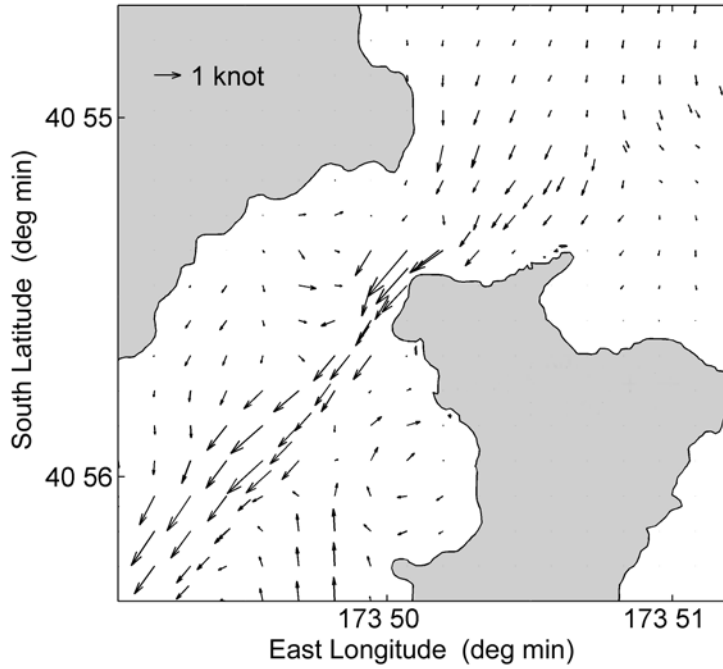


-6hr HW Nelson, Spring Tide

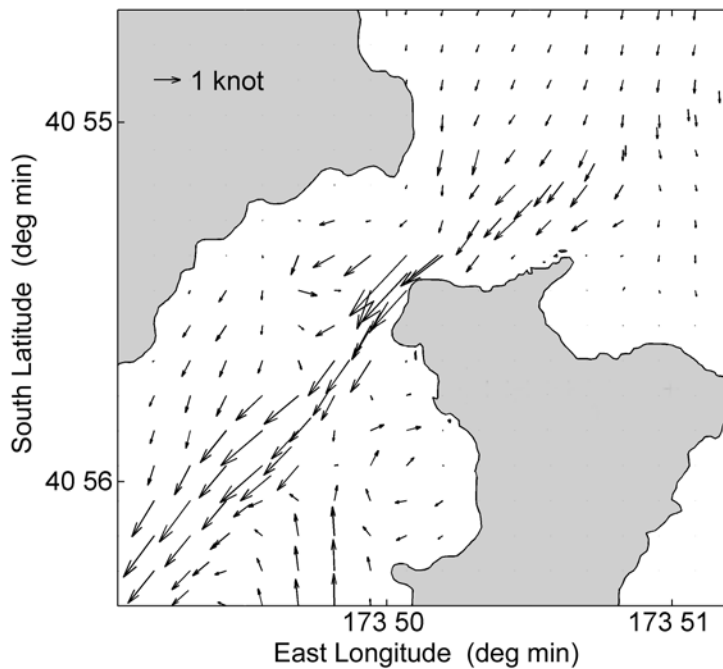
TE AUMITI / FRENCH PASS

LAT. 40° 55'S., LONG. 173° 50'E.

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



-5hr HW Nelson, Spring Tide

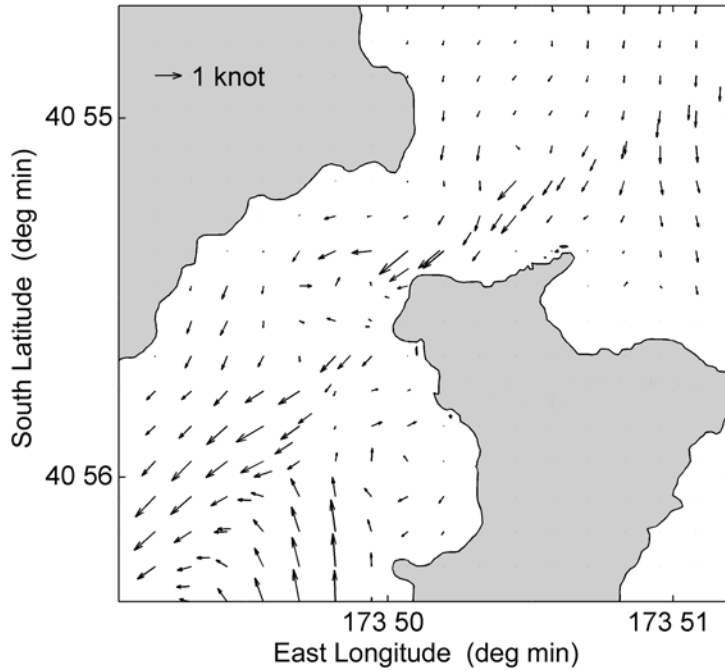


-4hr HW Nelson, Spring Tide

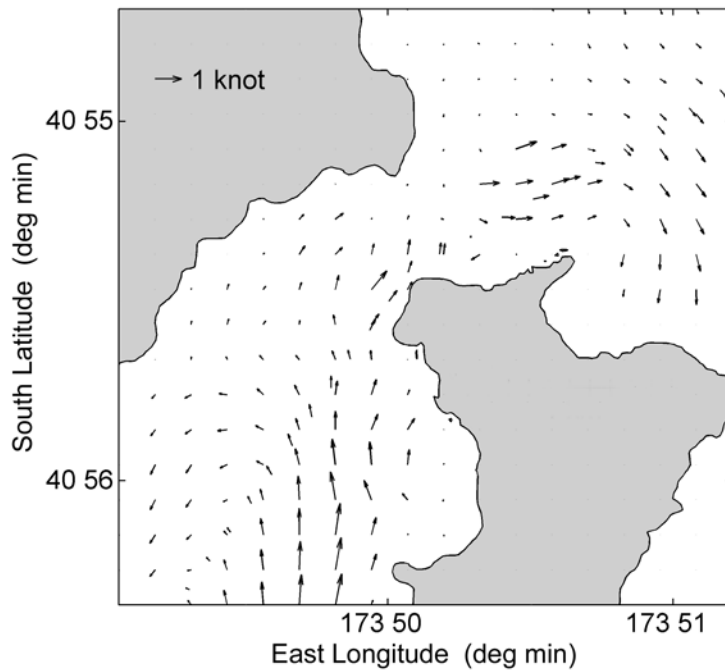
TE AUMITI / FRENCH PASS

LAT. 40° 55'S., LONG. 173° 50'E.

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



-3hr HW Nelson, Spring Tide

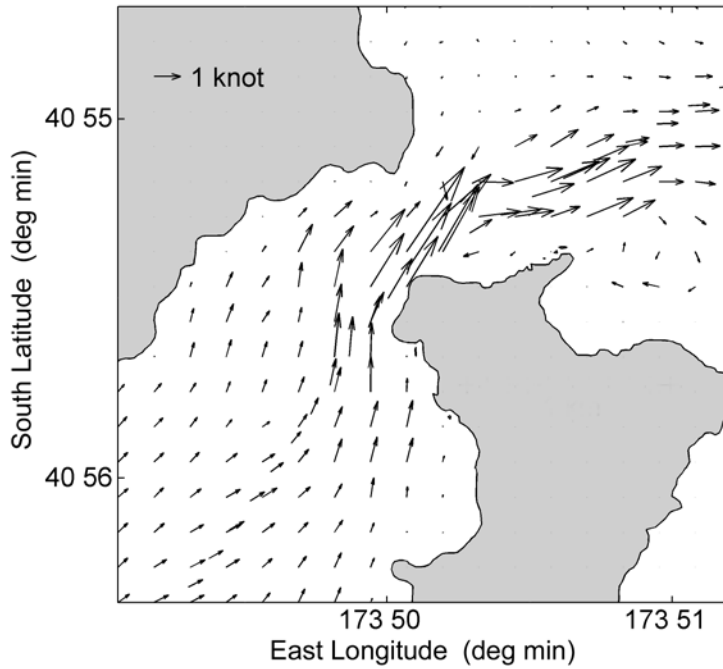


-2hr HW Nelson, Spring Tide

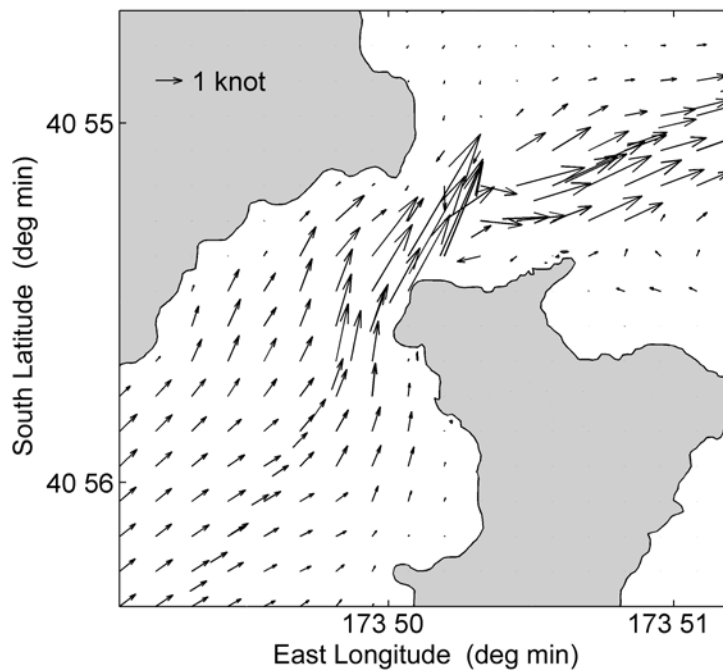
TE AUMITI / FRENCH PASS

LAT. 40° 55'S., LONG. 173° 50'E.

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



-1hr HW Nelson, Spring Tide

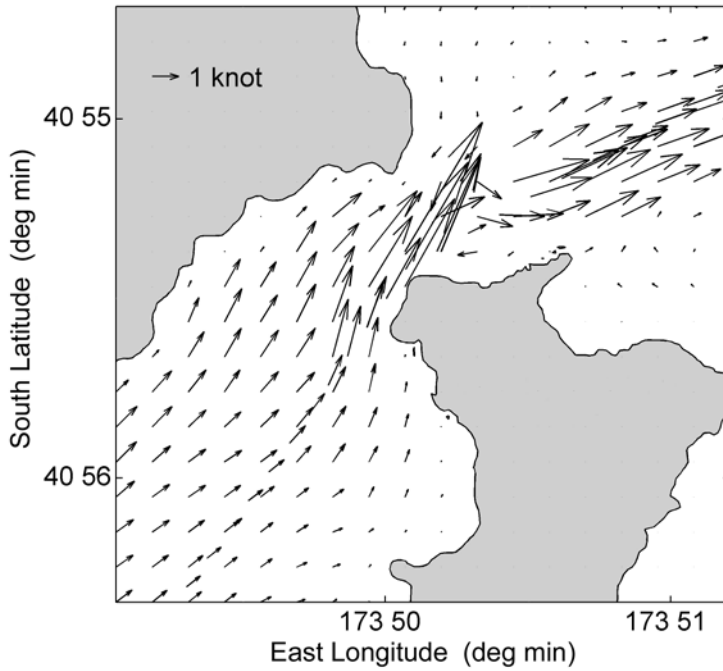


At HW Nelson, Spring Tide

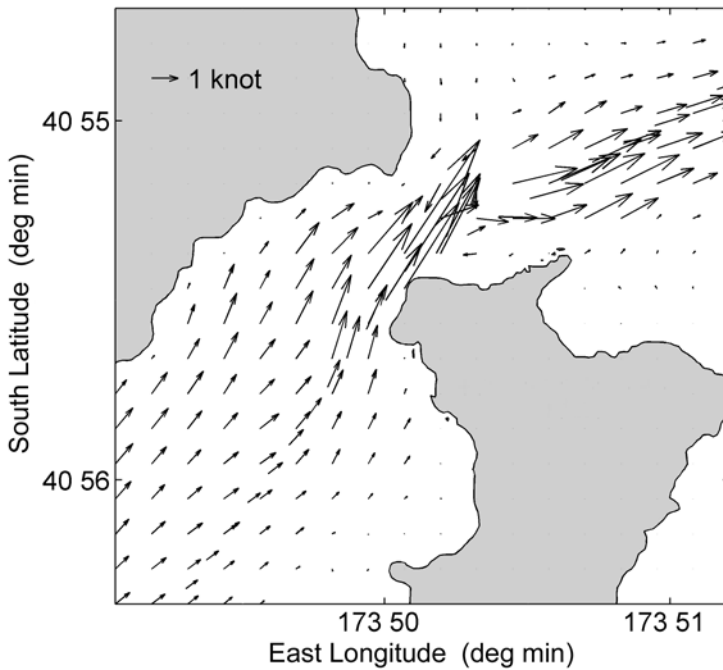
TE AUMITI / FRENCH PASS

LAT. 40° 55'S., LONG. 173° 50'E.

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



+1hr HW Nelson, Spring Tide

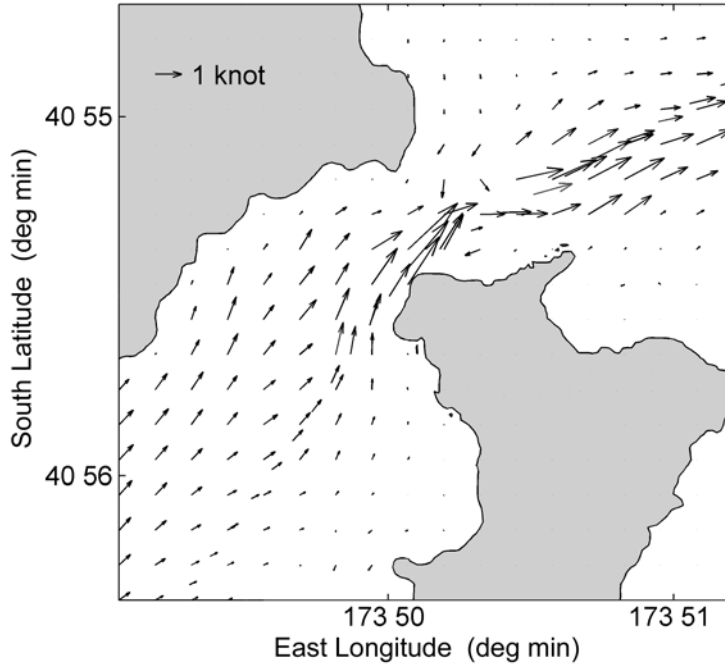


+2hr HW Nelson, Spring Tide

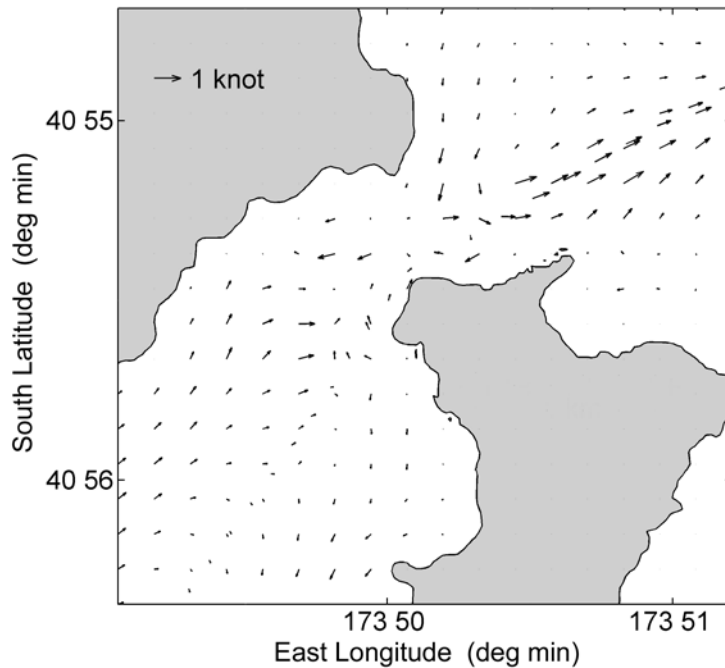
TE AUMITI / FRENCH PASS

LAT. 40° 55'S., LONG. 173° 50'E.

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



+3hr HW Nelson, Spring Tide

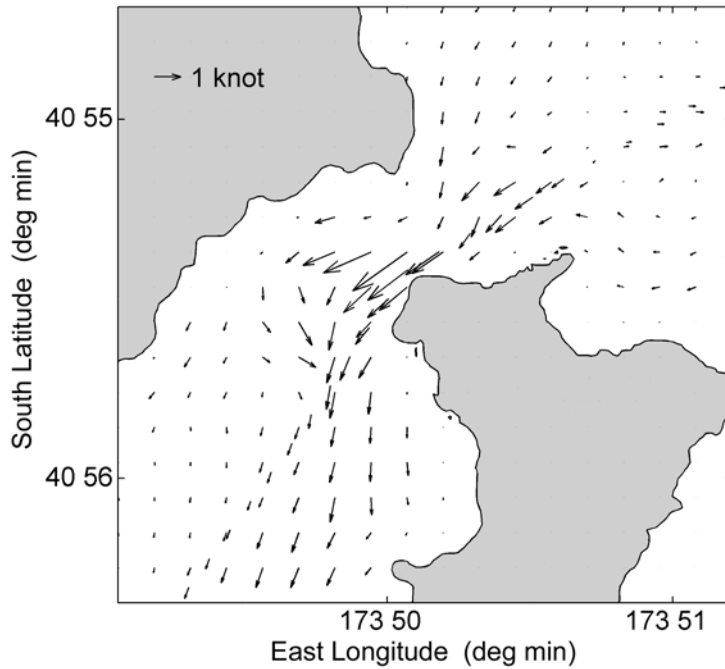


+4hr HW Nelson, Spring Tide

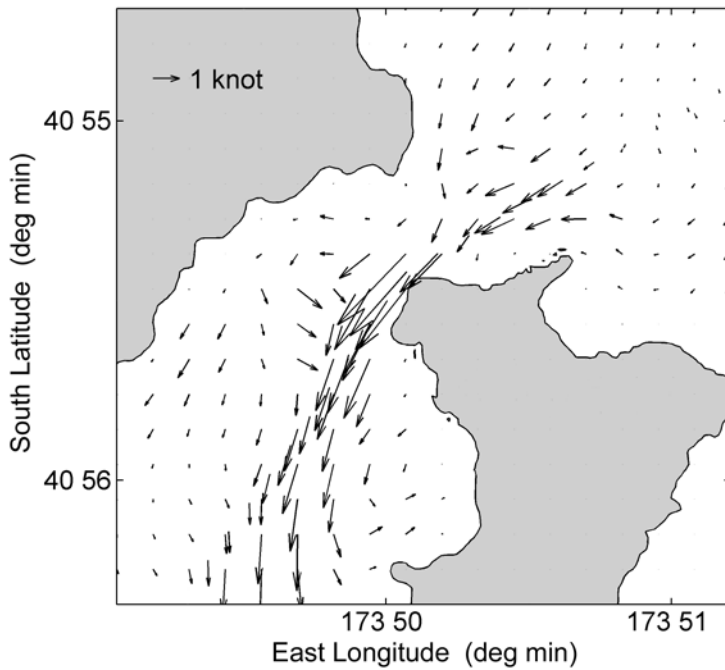
TE AUMITI / FRENCH PASS

LAT. 40° 55'S., LONG. 173° 50'E.

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



+5hr HW Nelson, Spring Tide



+6hr HW Nelson, Spring Tide

TIDAL STREAMS