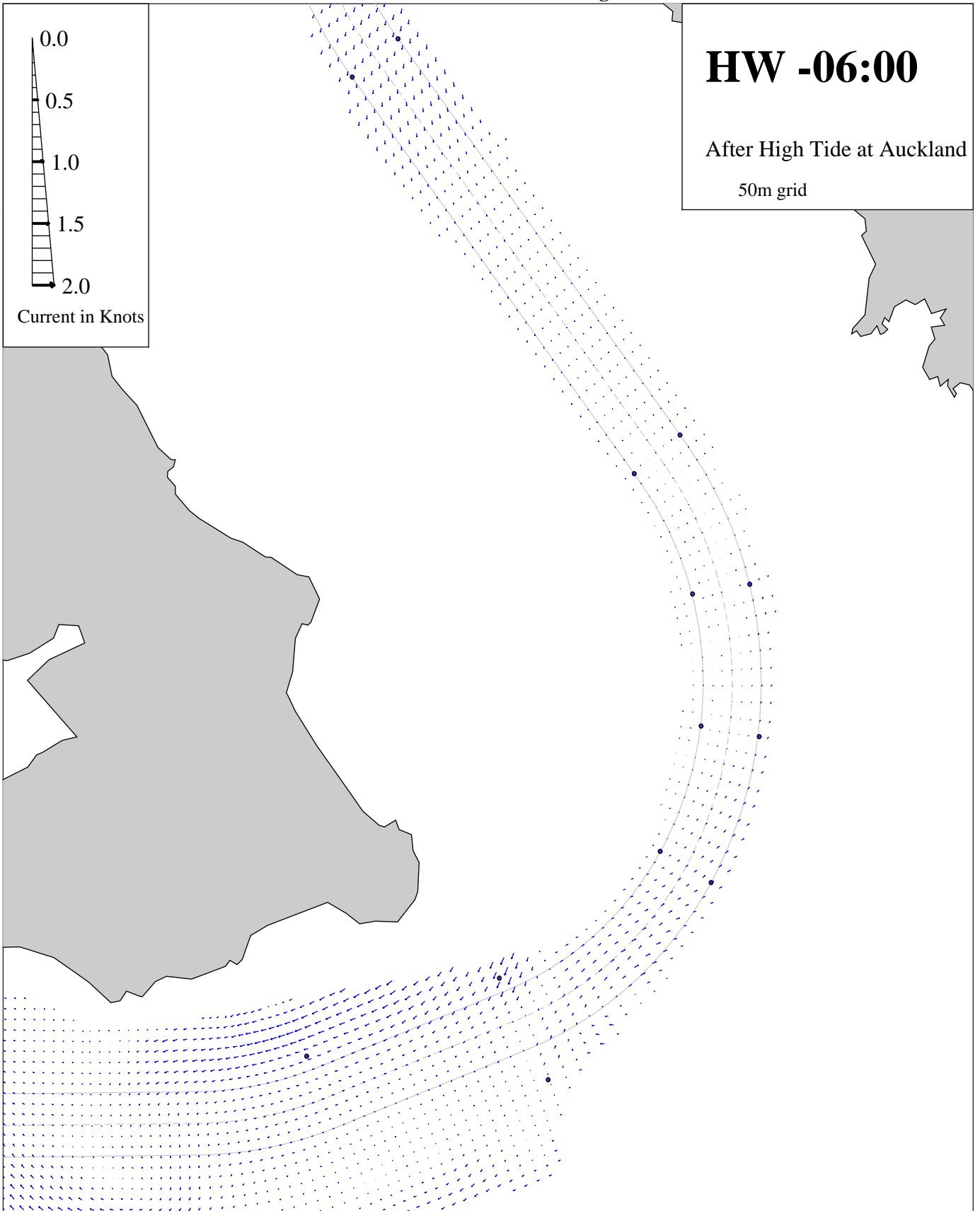
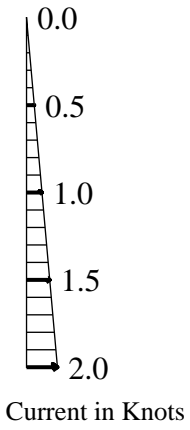


ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW -06:00

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

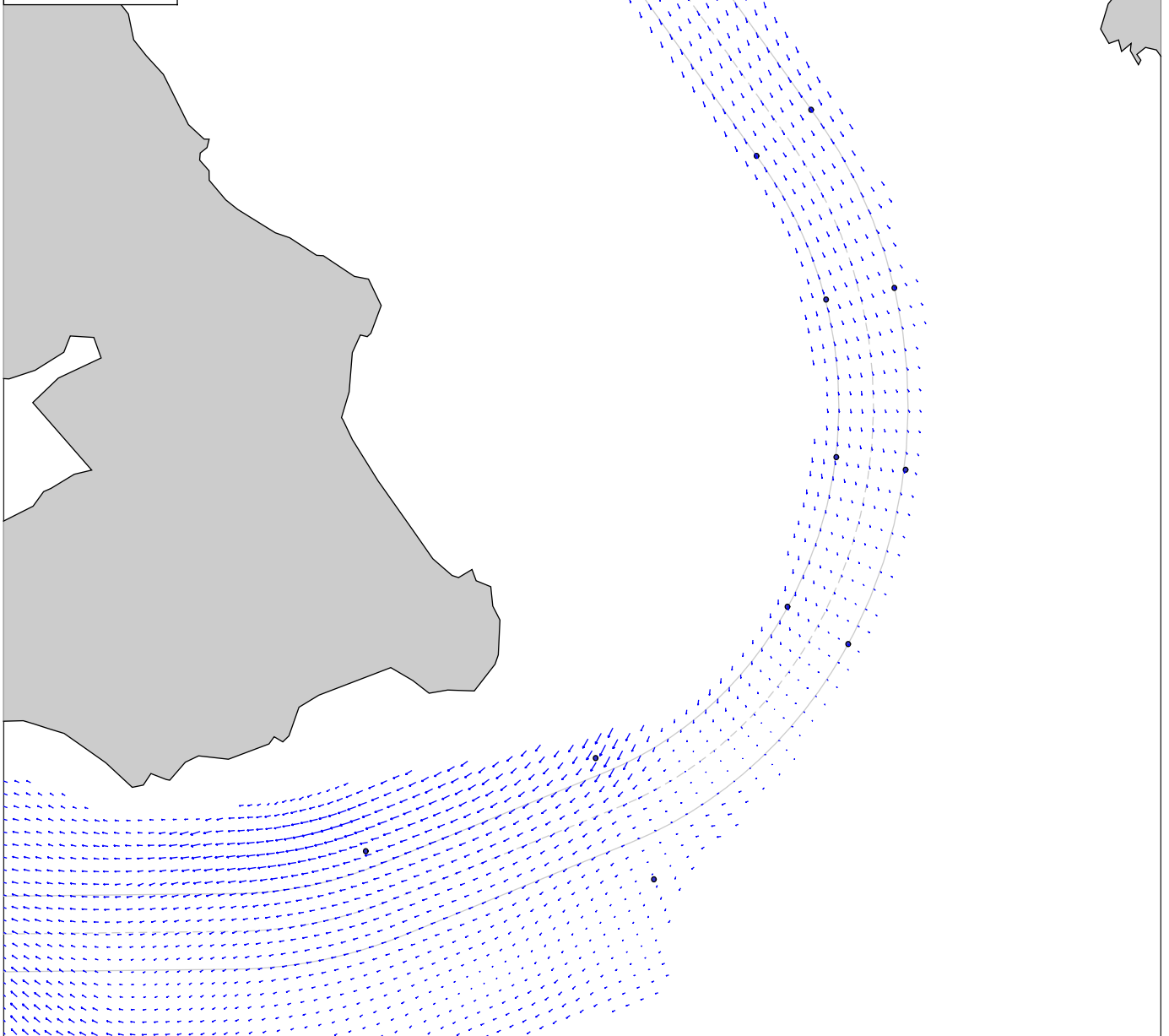
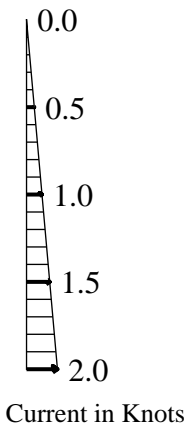
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW -05:30

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

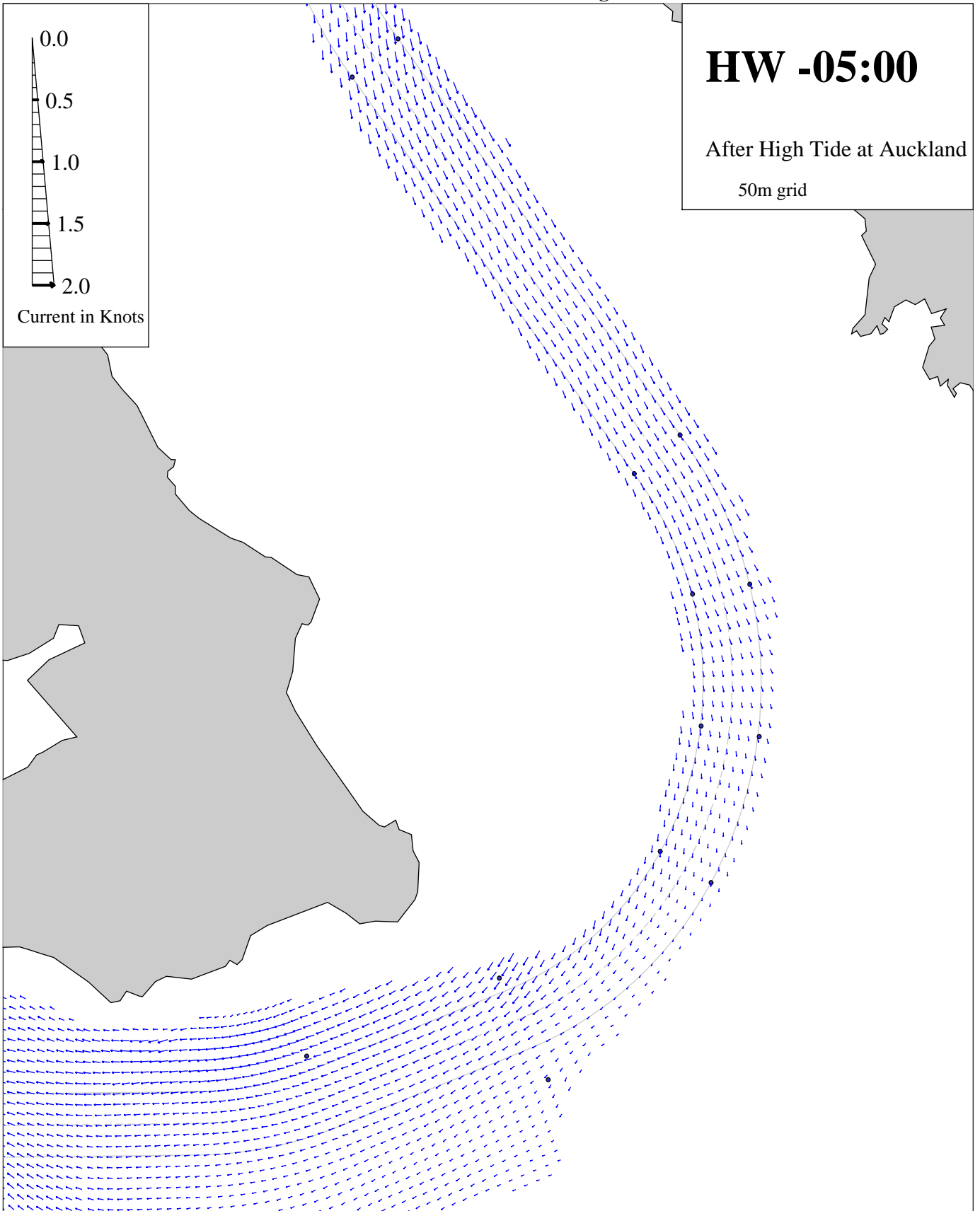
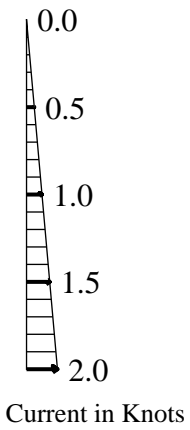
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW -05:00

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

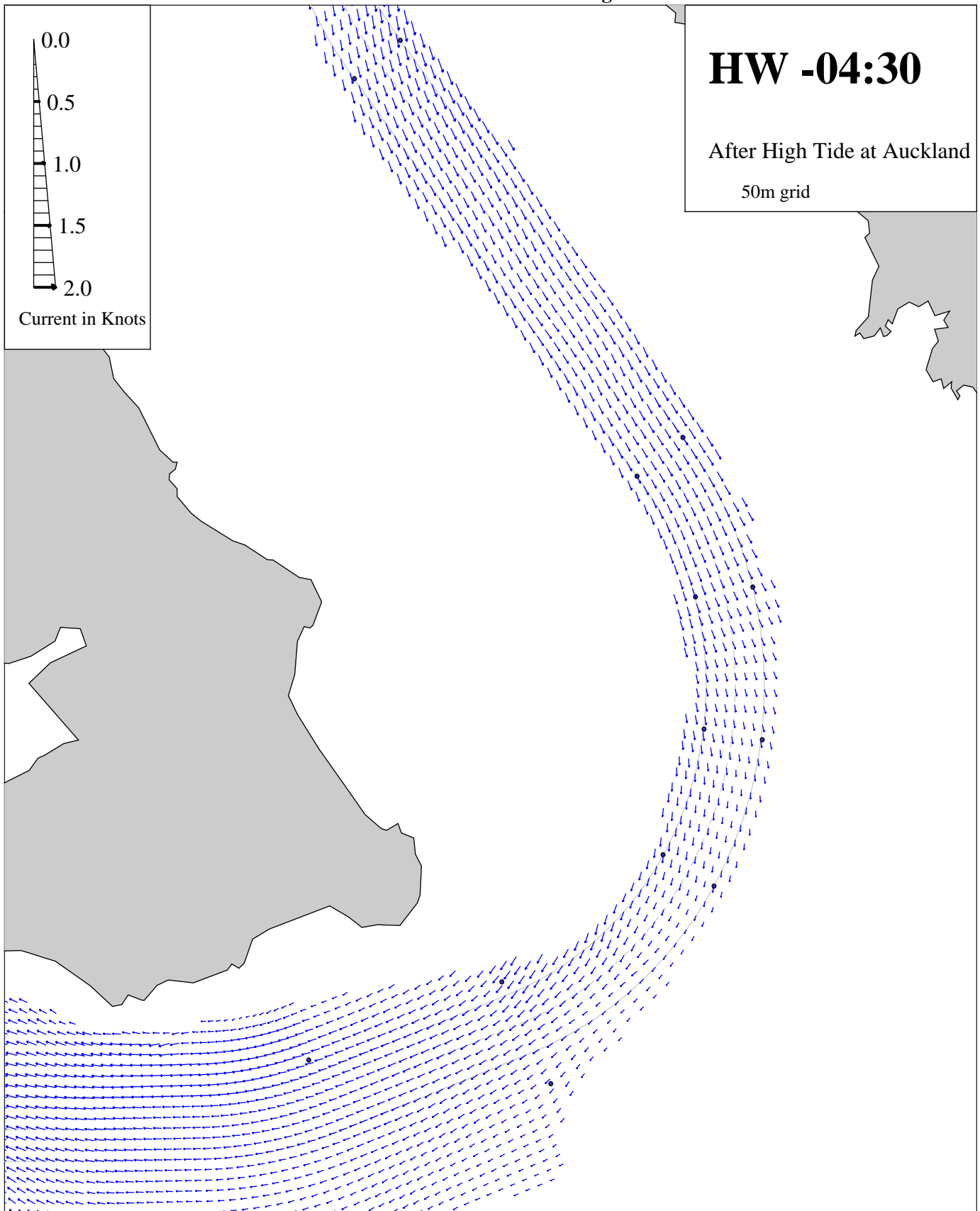
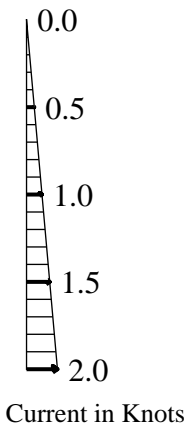
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW -04:30

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

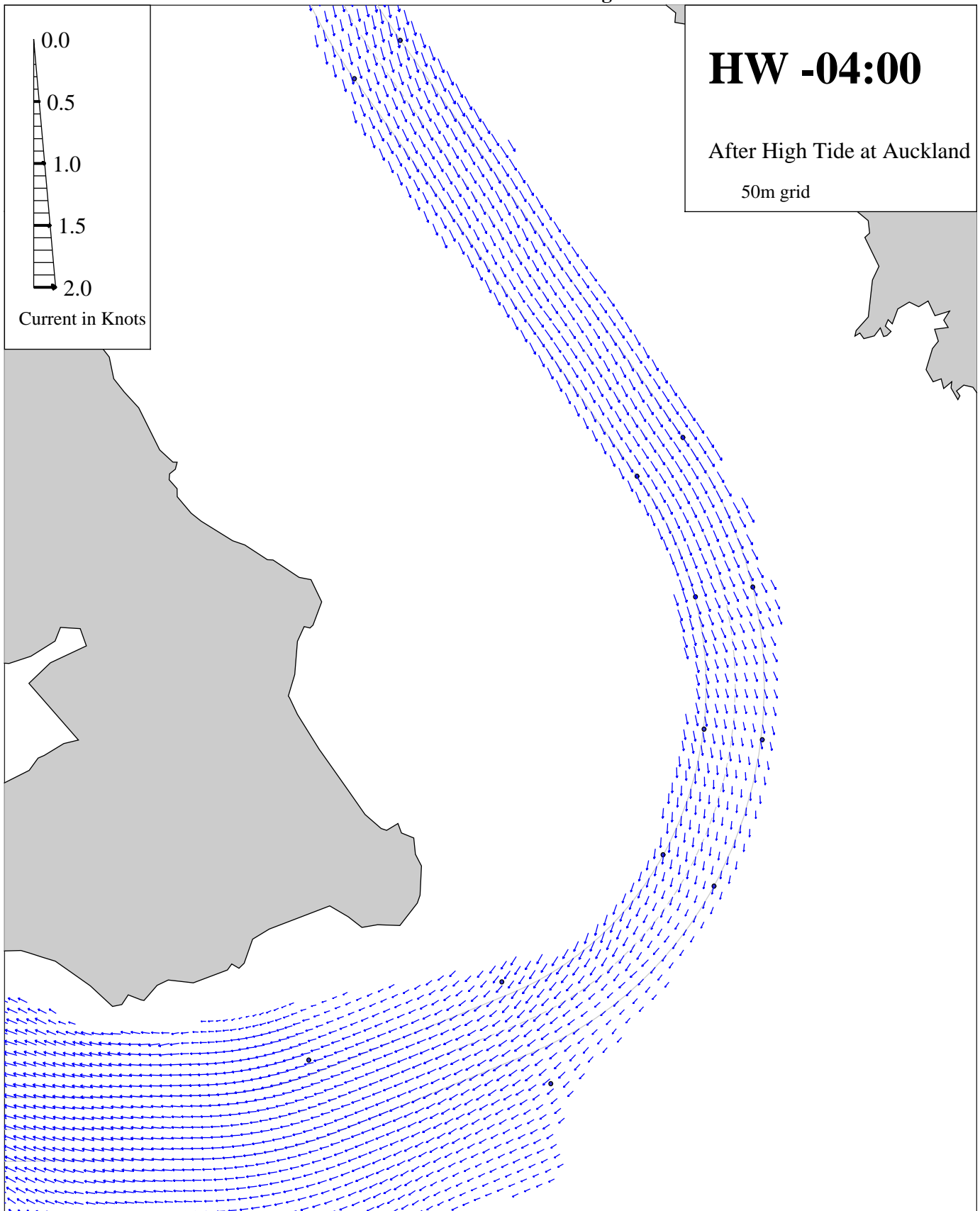
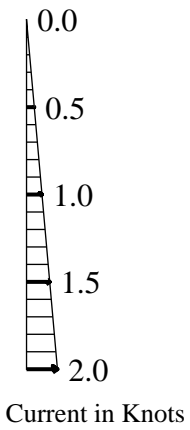
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW -04:00

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

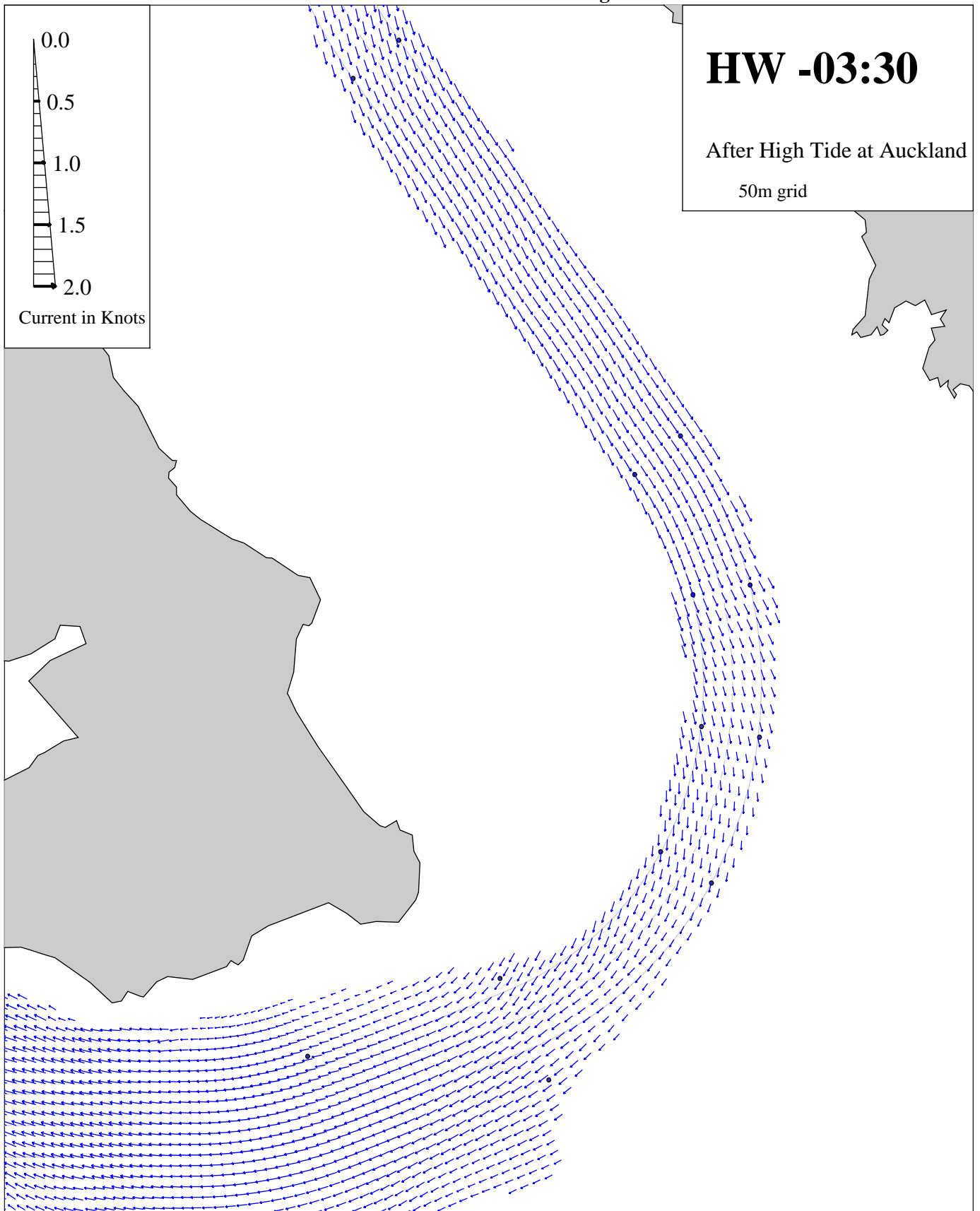
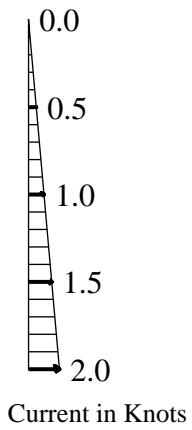
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW -03:30

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

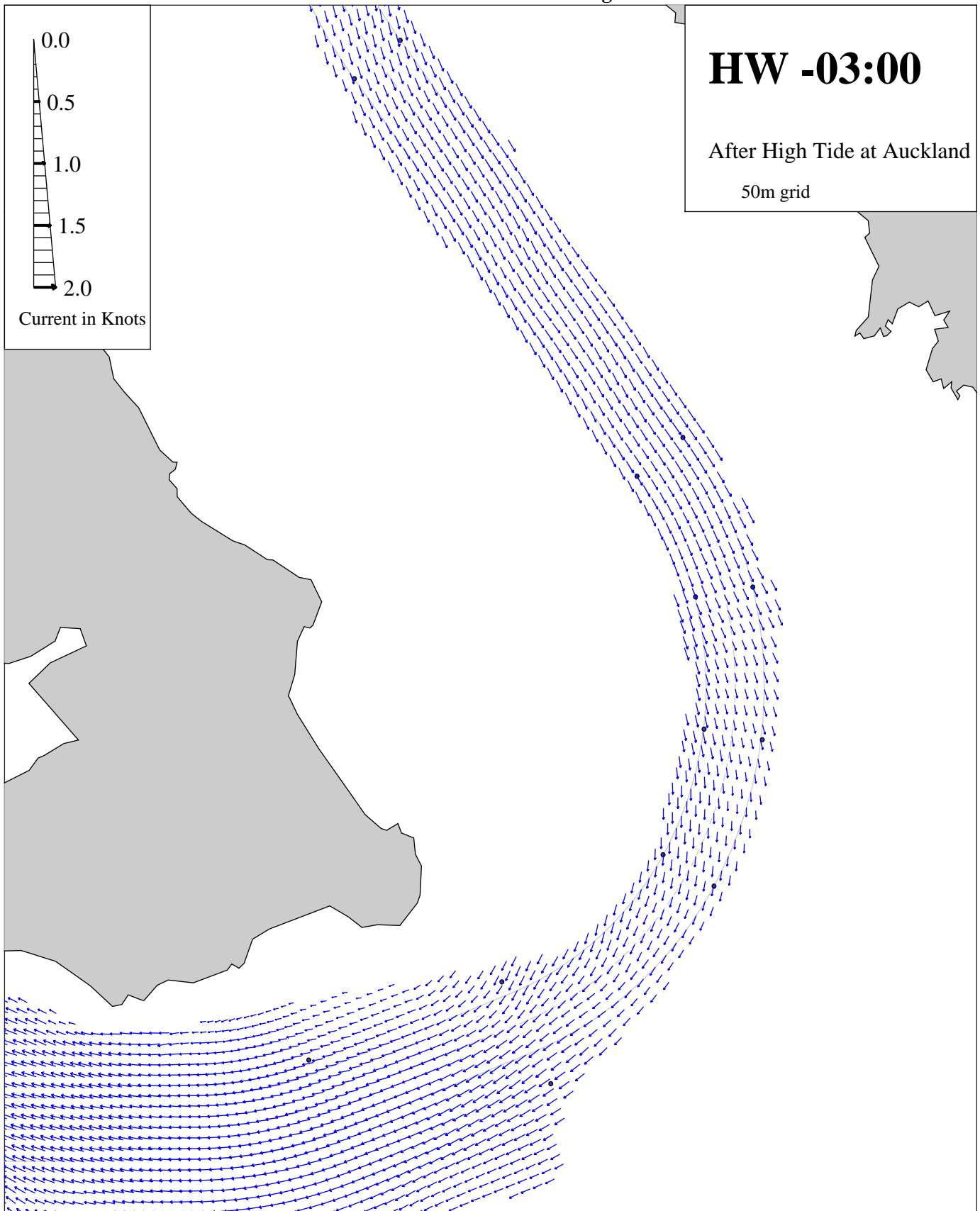
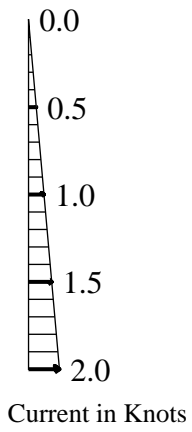
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW -03:00

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

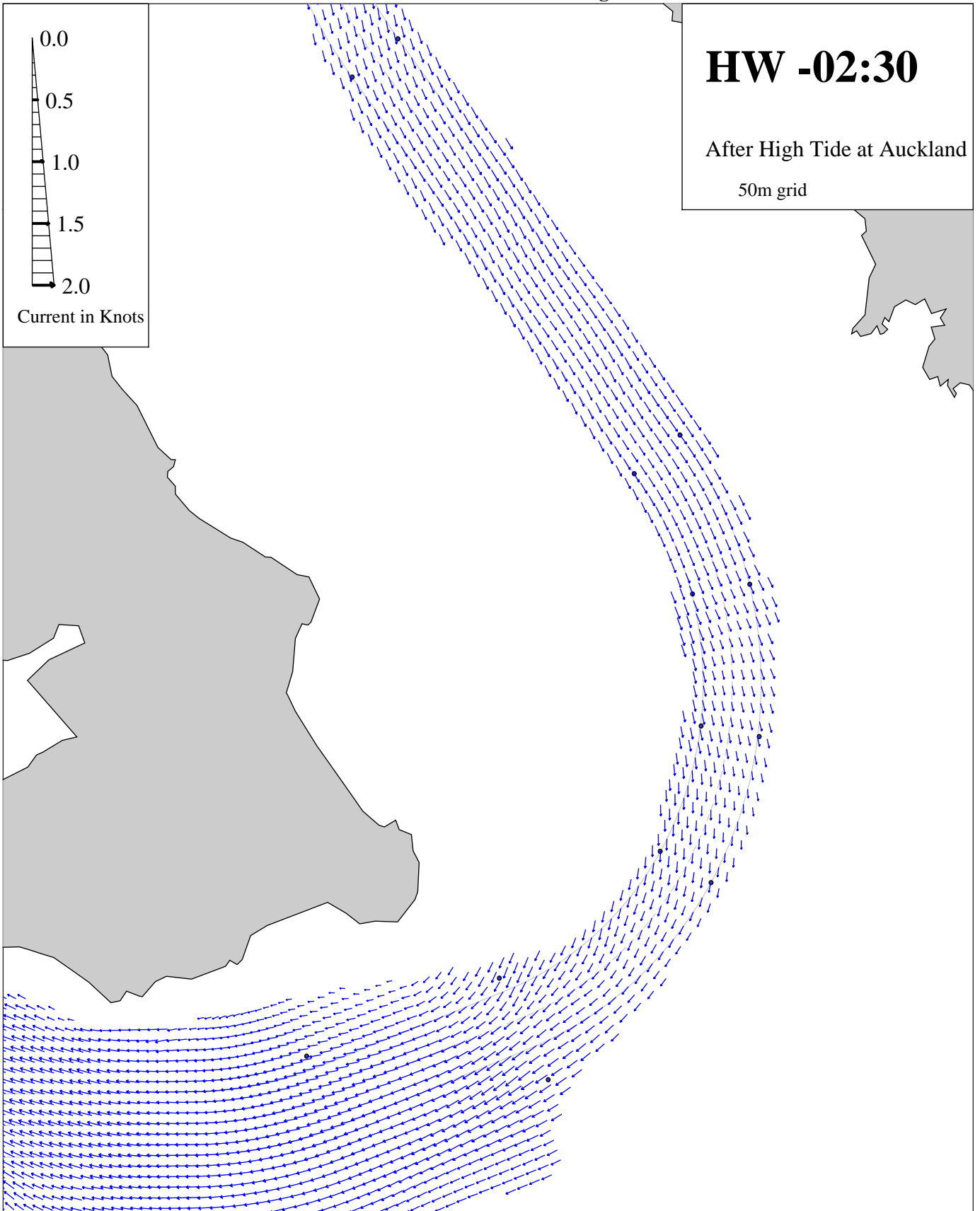
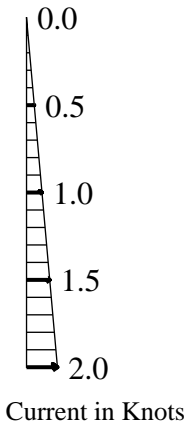
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW -02:30

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

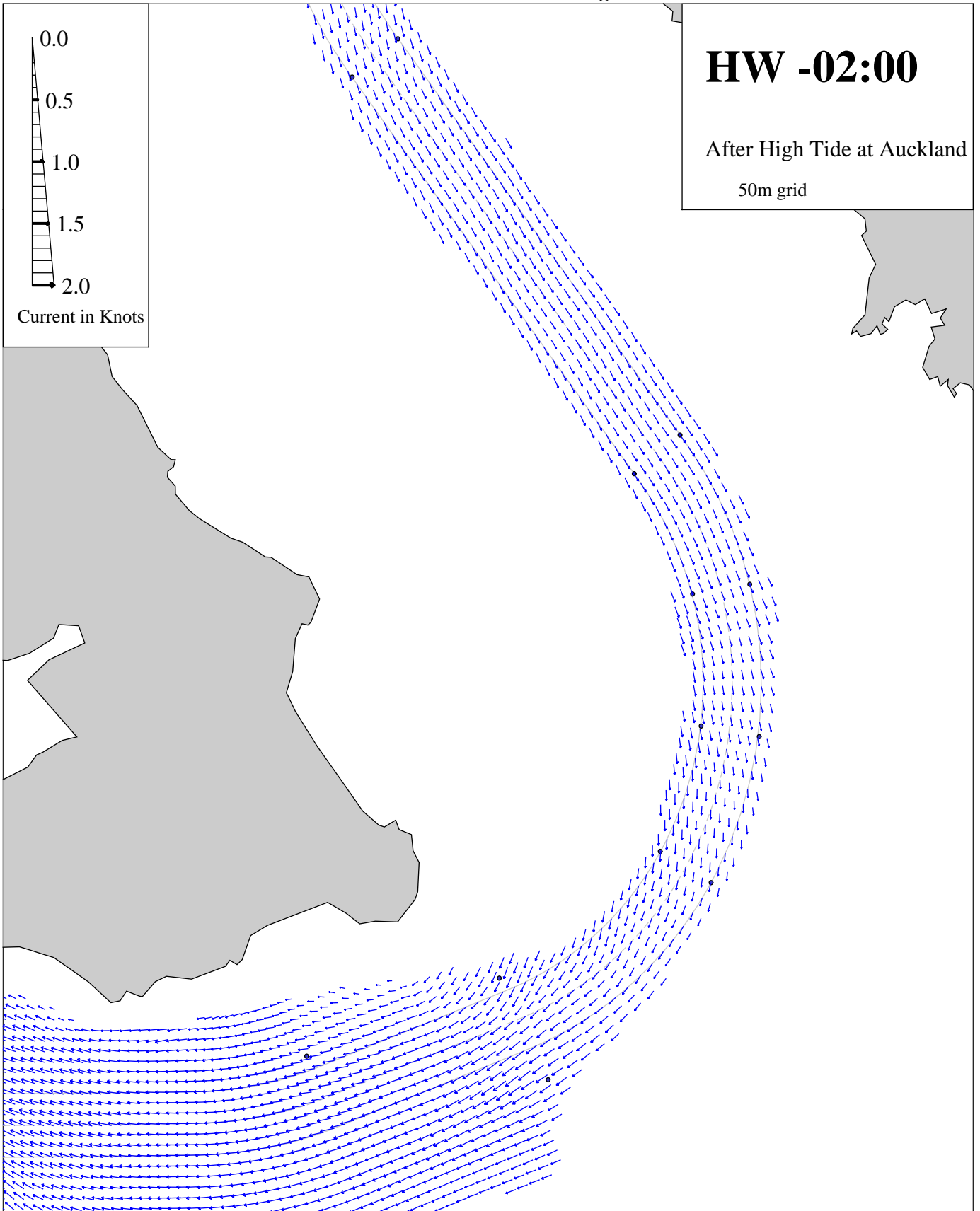
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW -02:00

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

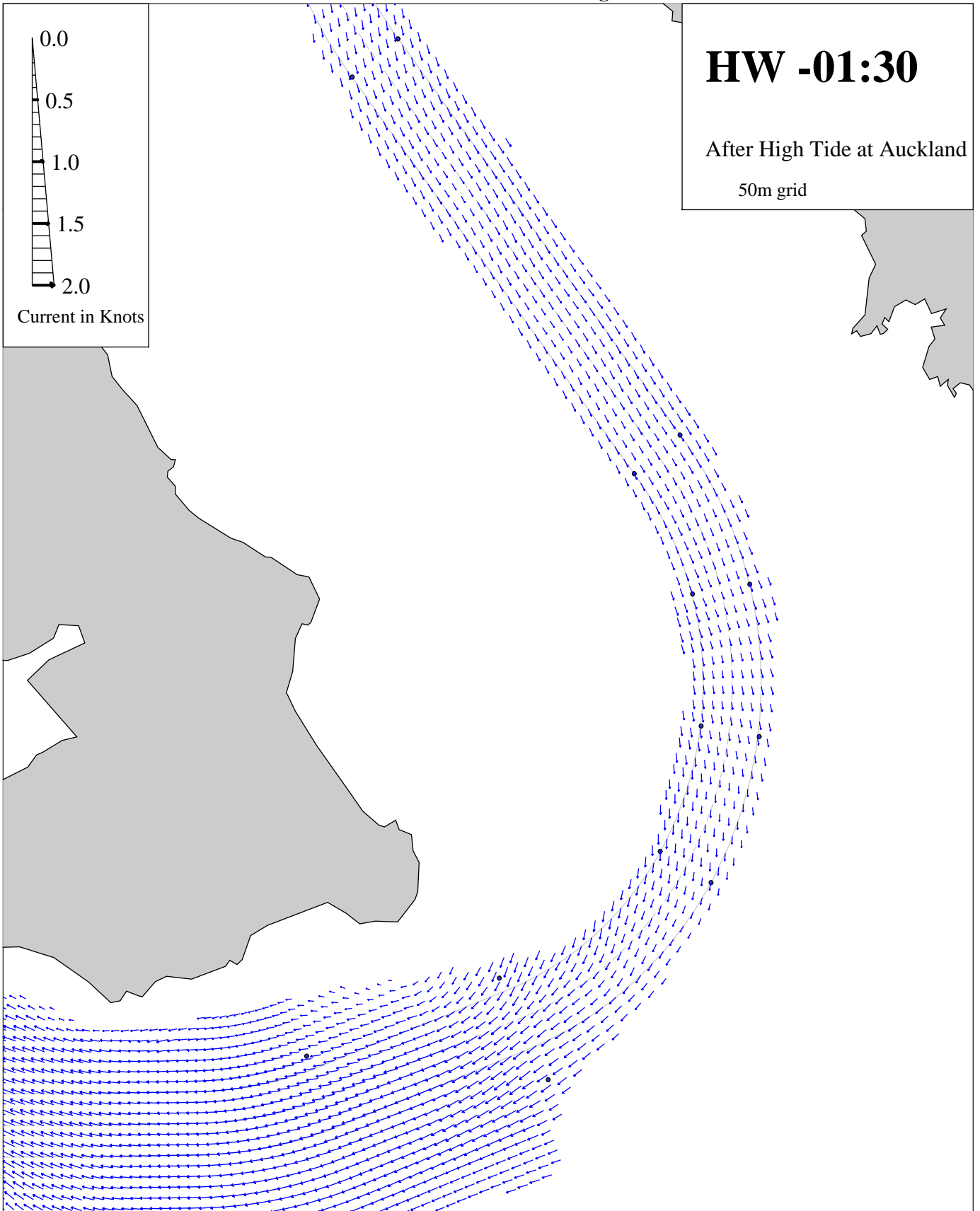
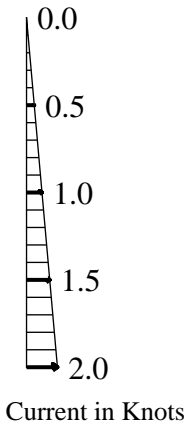
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW -01:30

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

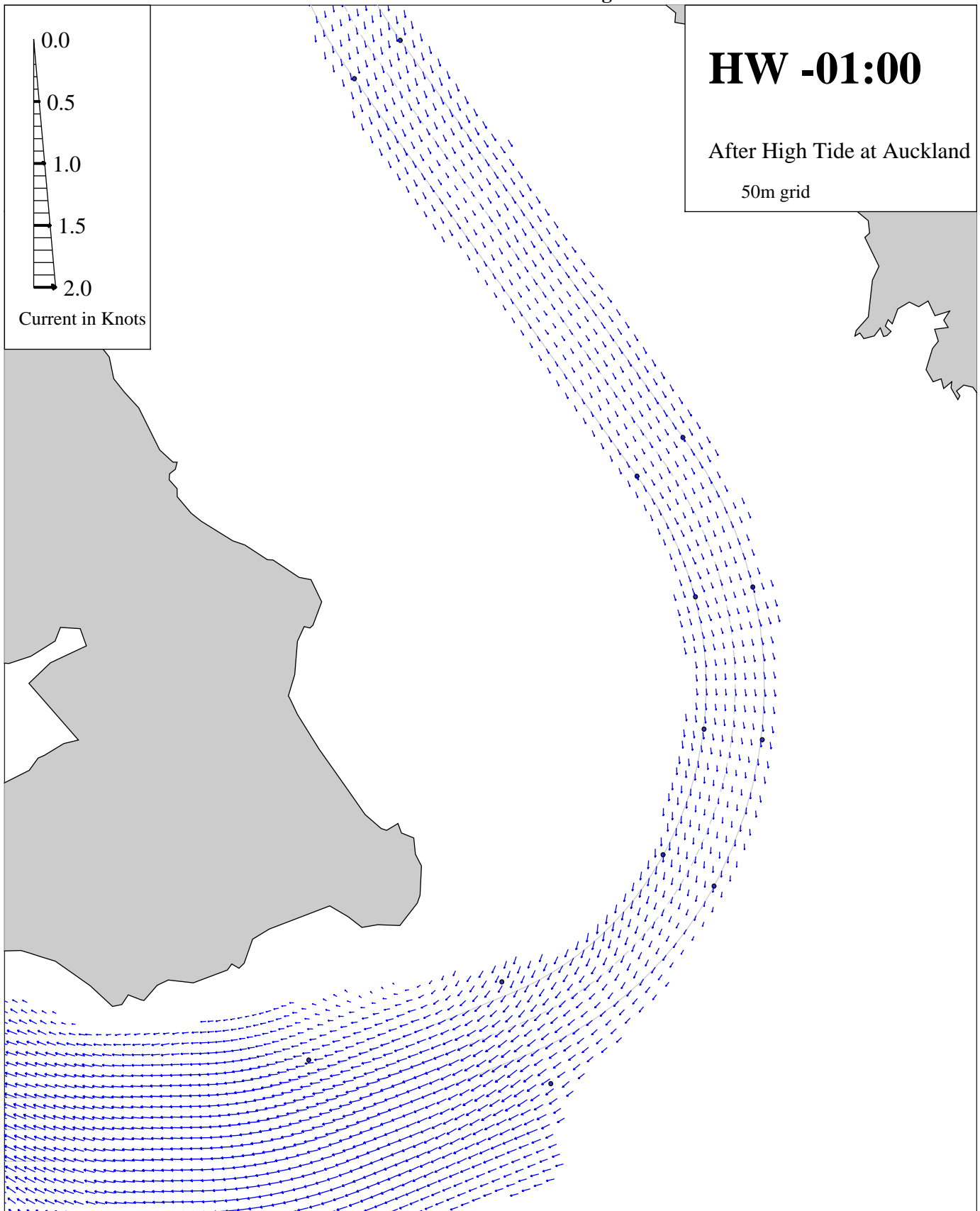
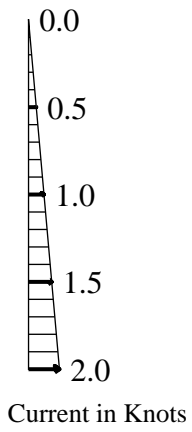
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW -01:00

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

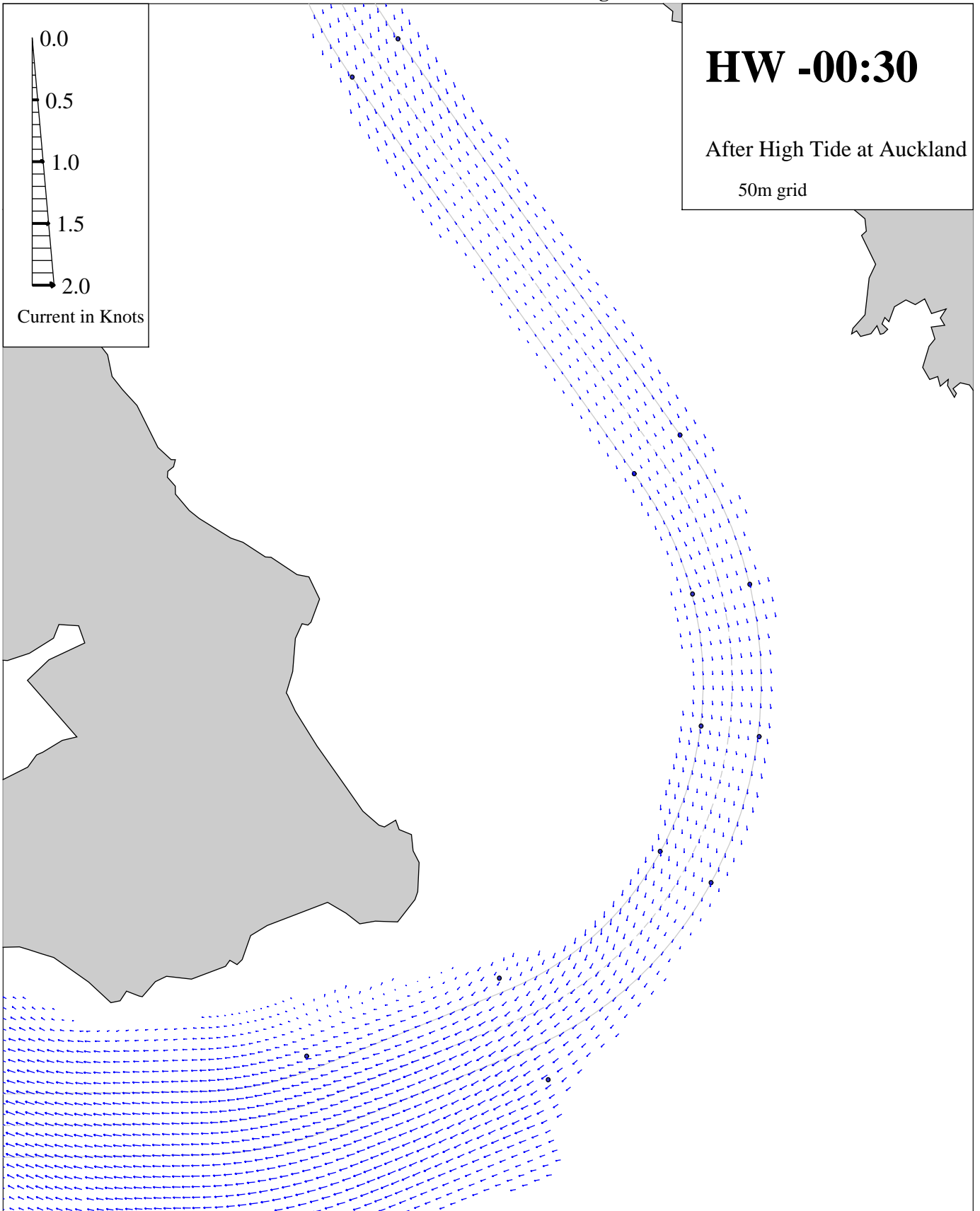
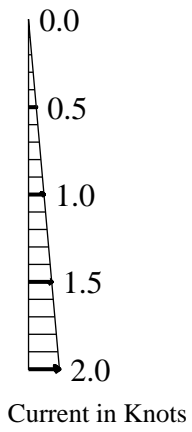
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW -00:30

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

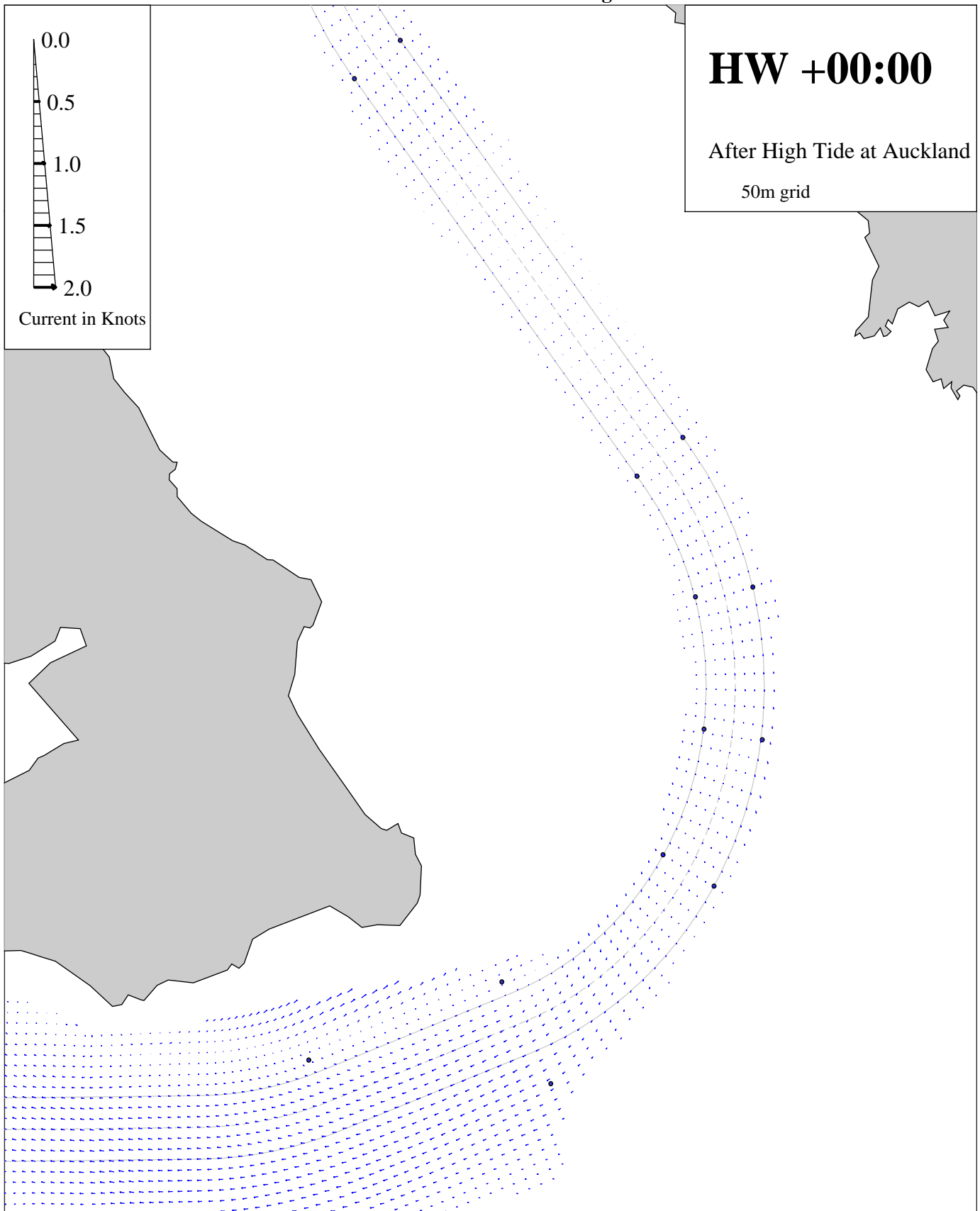
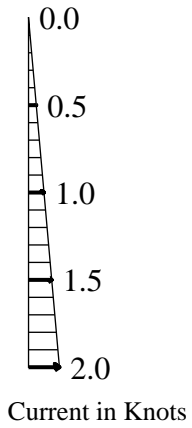
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW +00:00

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

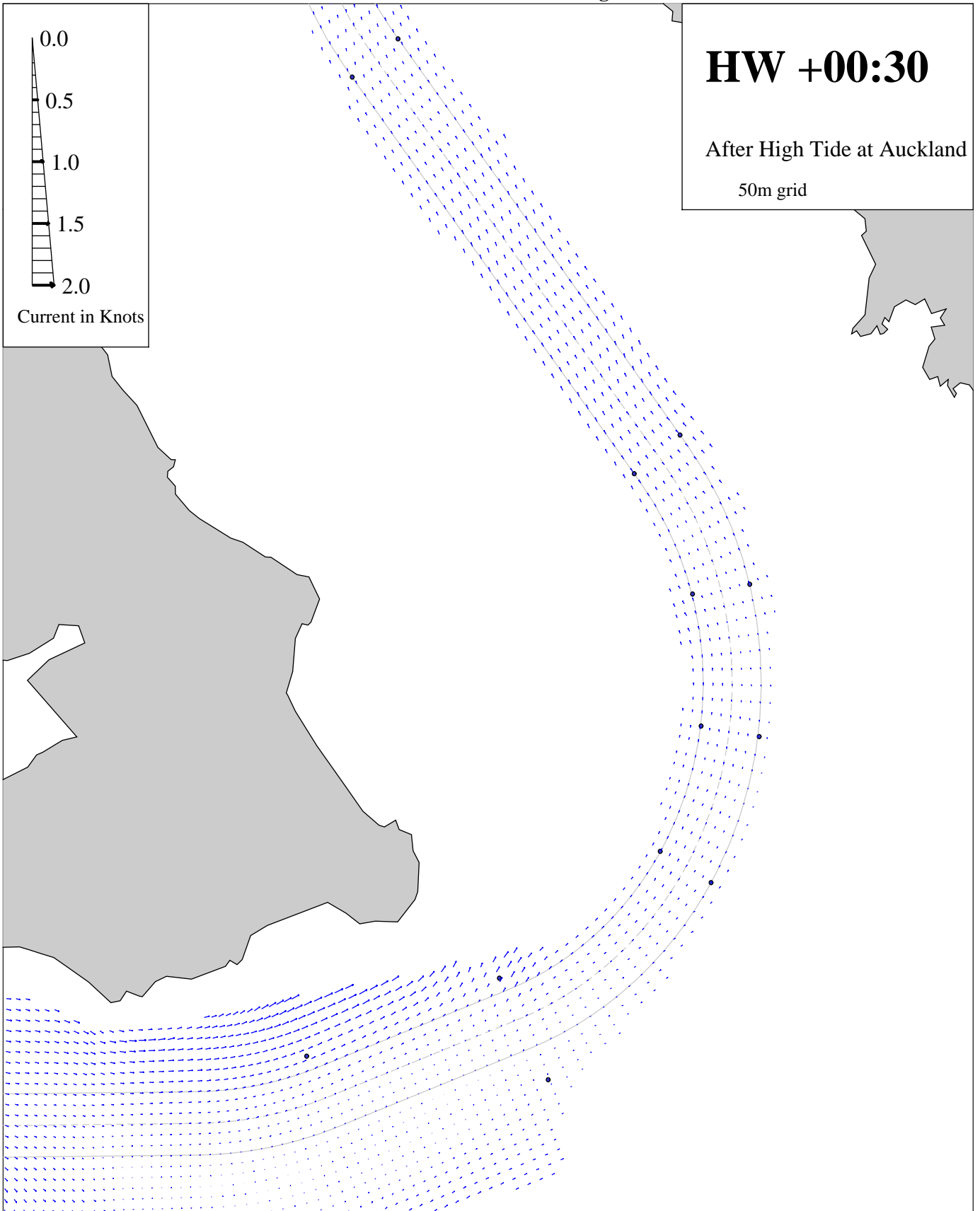
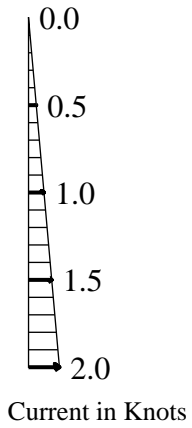
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW +00:30

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

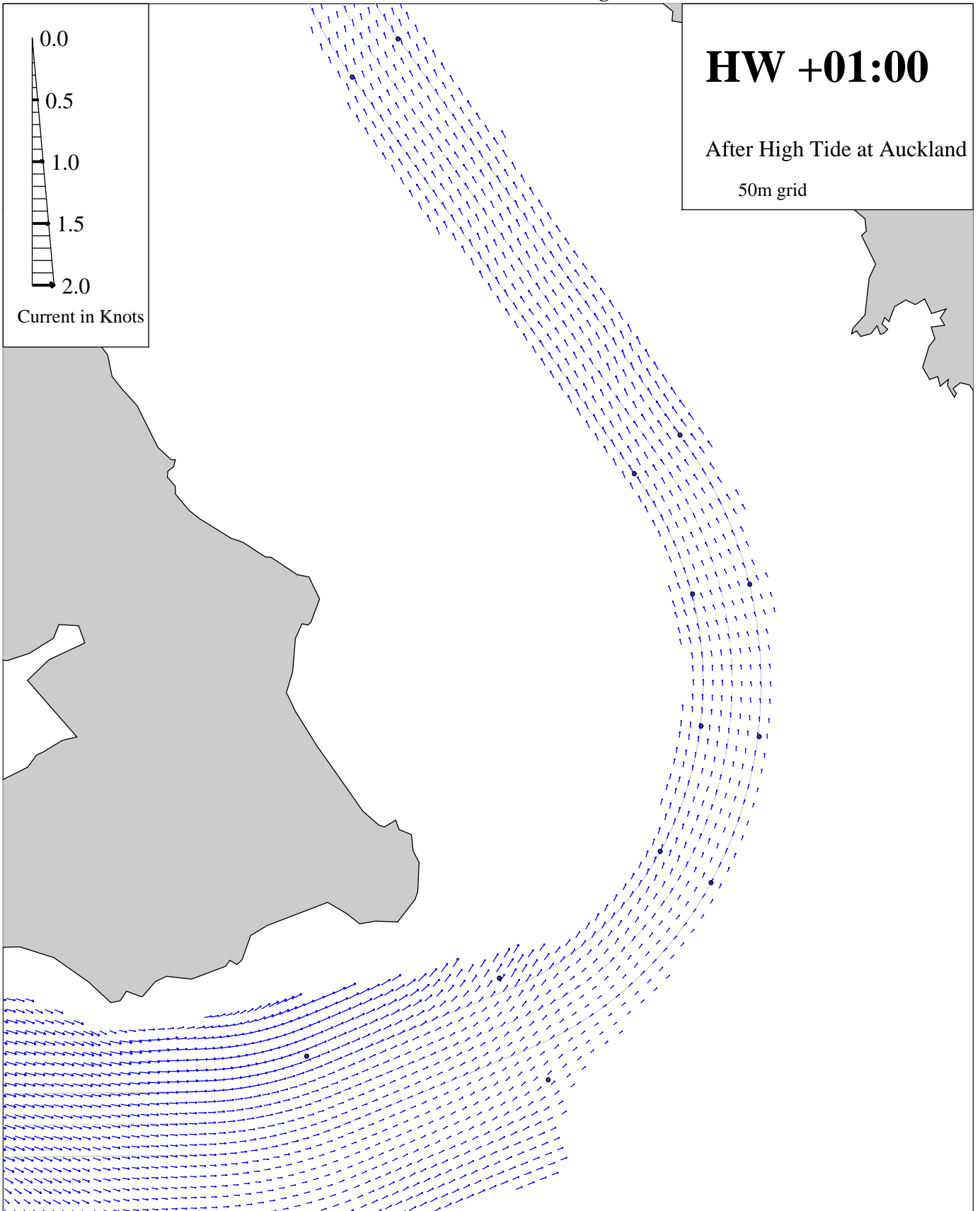
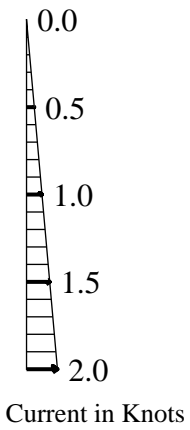
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW +01:00

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

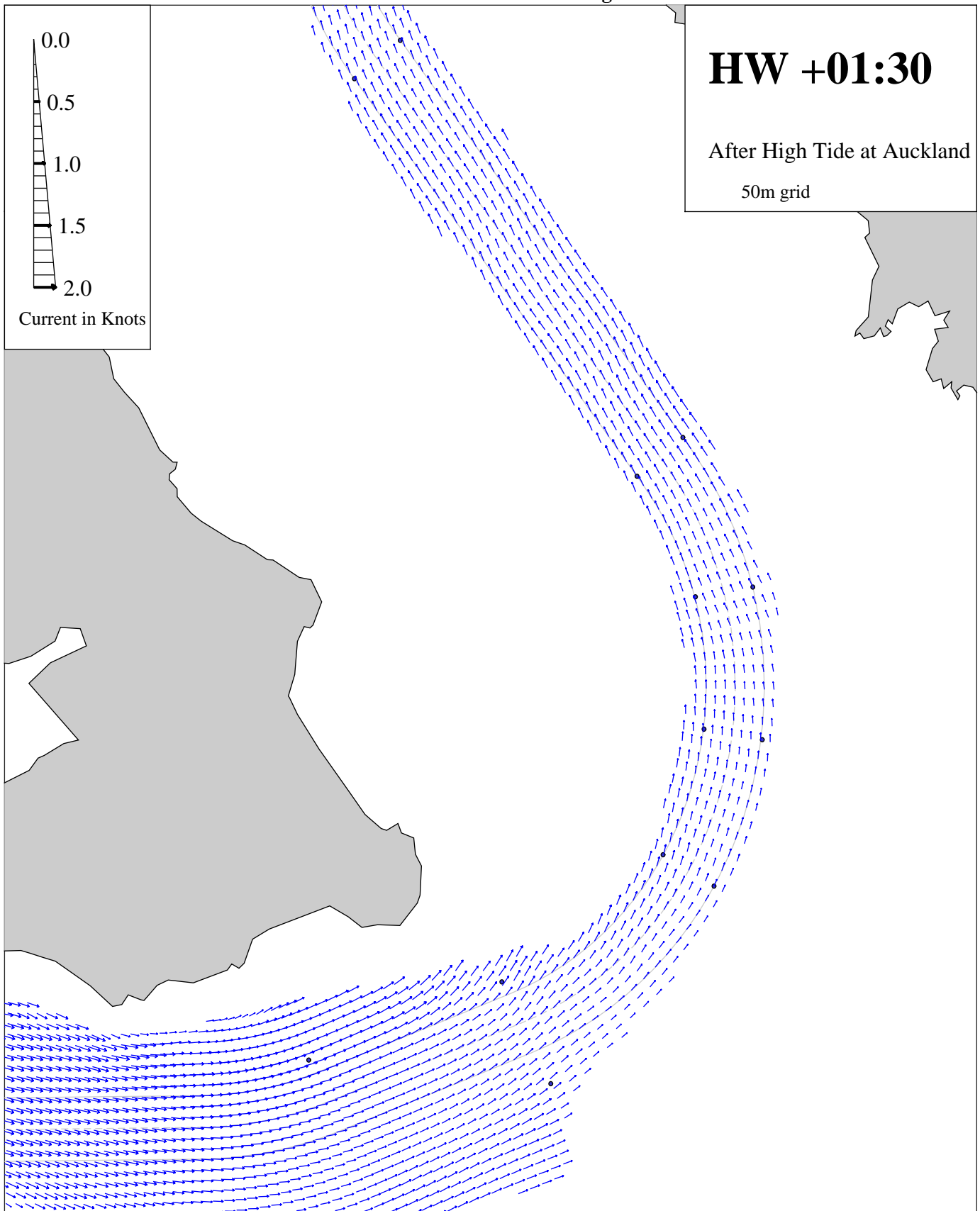
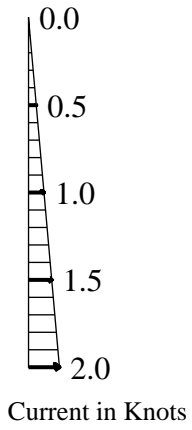
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW +01:30

After High Tide at Auckland

50m grid



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Spring tide of 3.0 meter range

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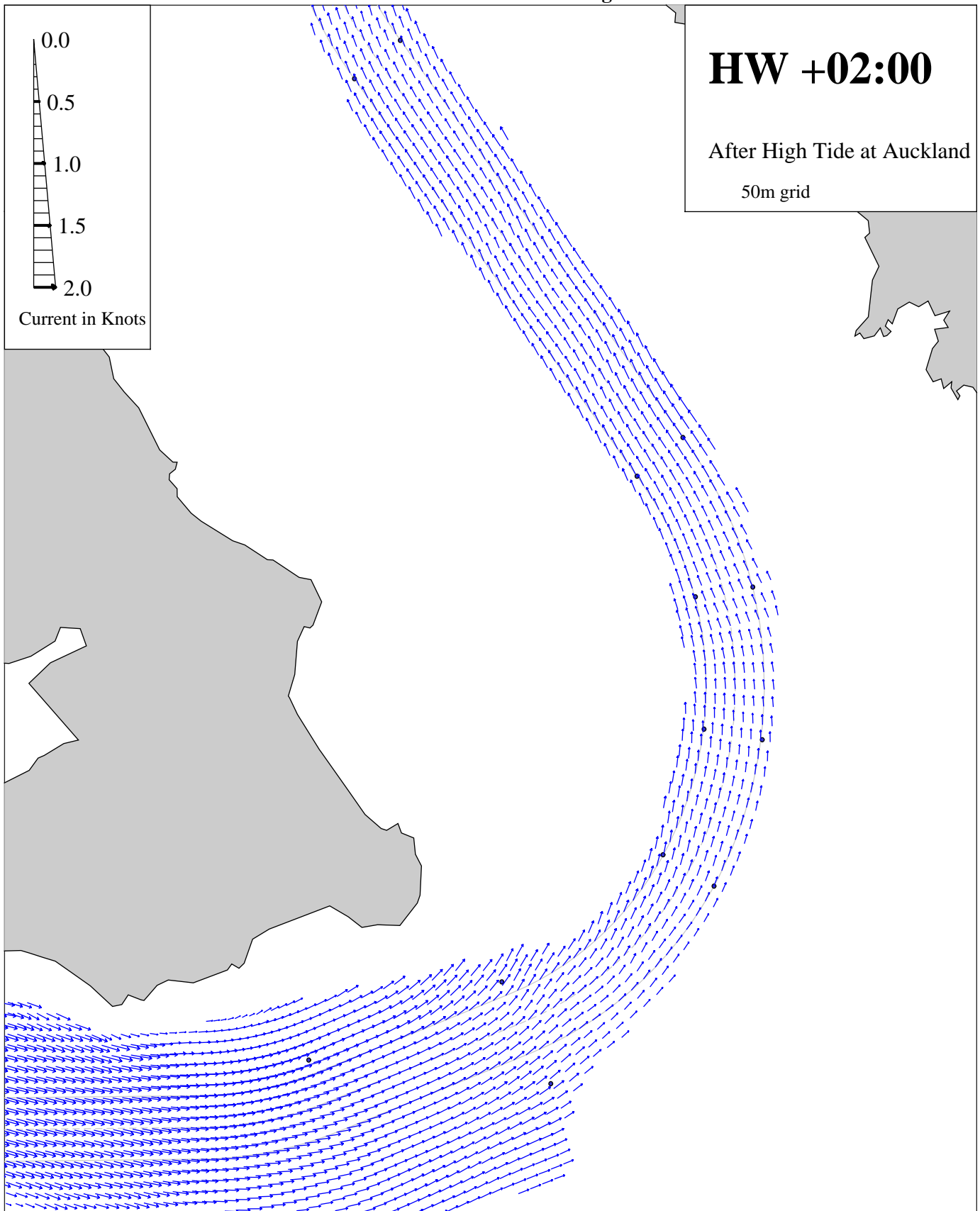
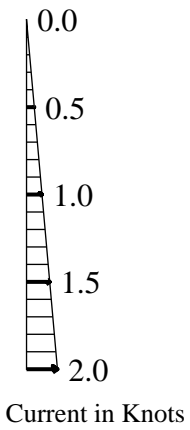
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW +02:00

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

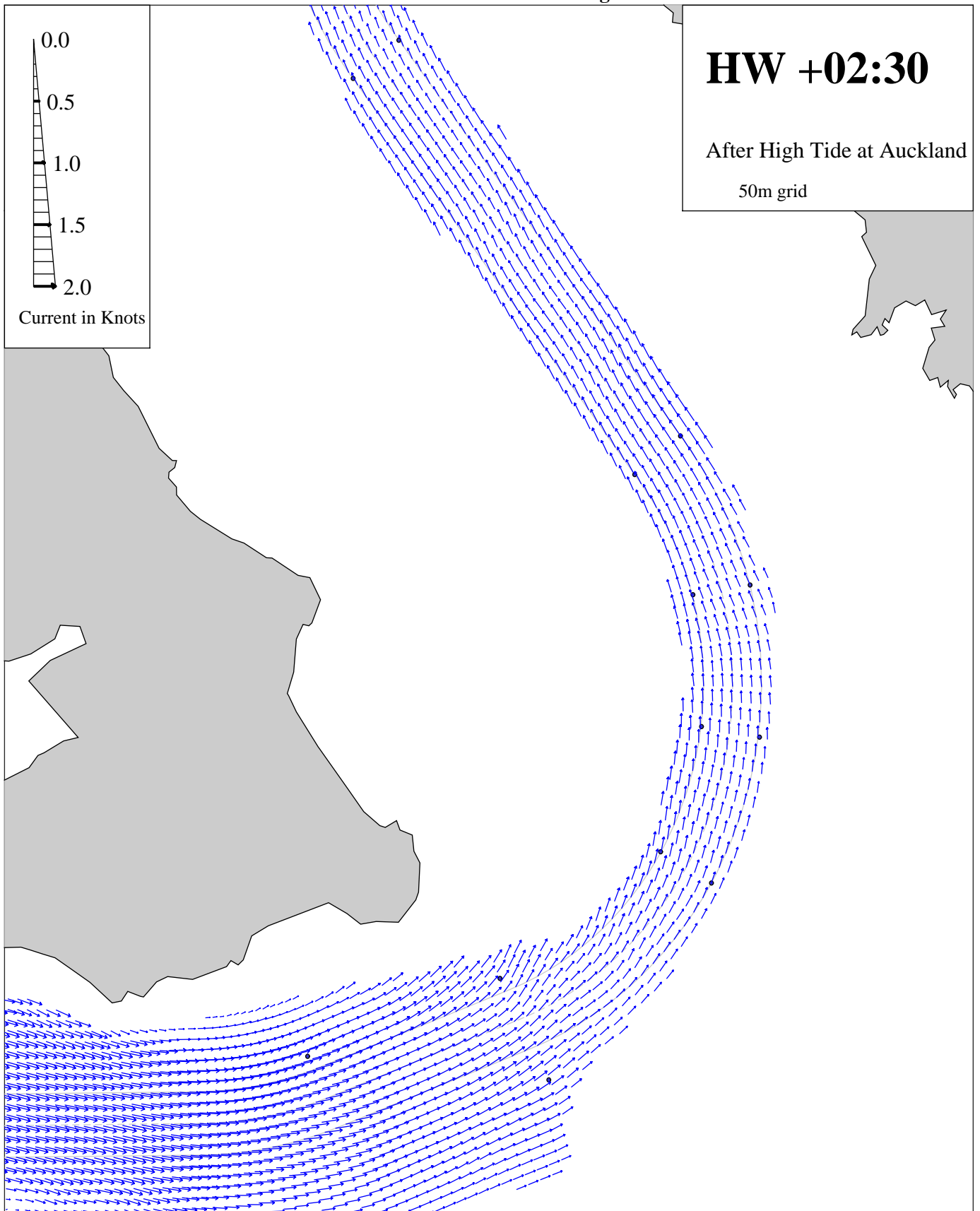
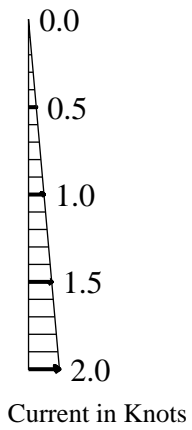
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW +02:30

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

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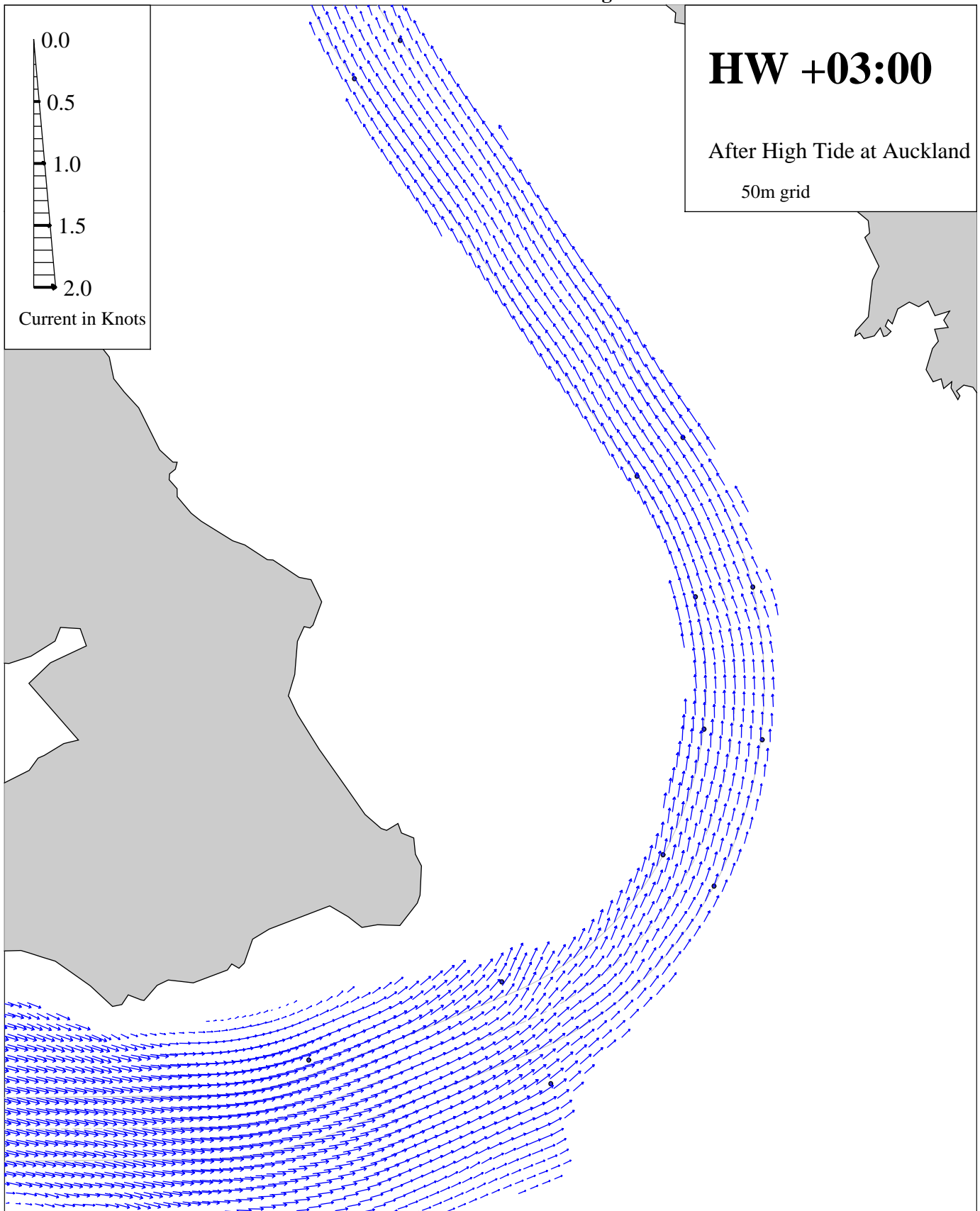
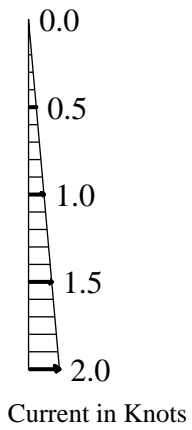
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW +03:00

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

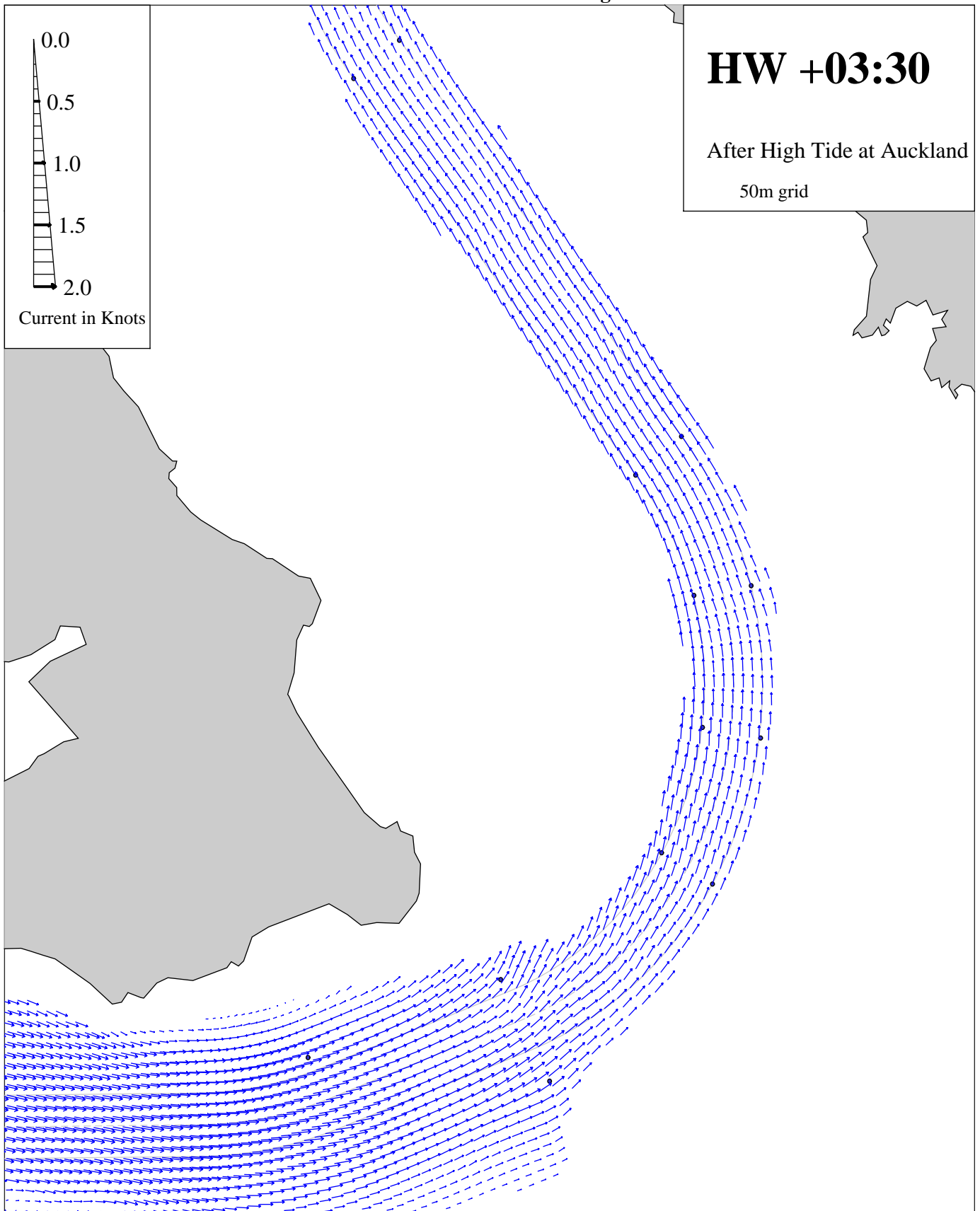
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW +03:30

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

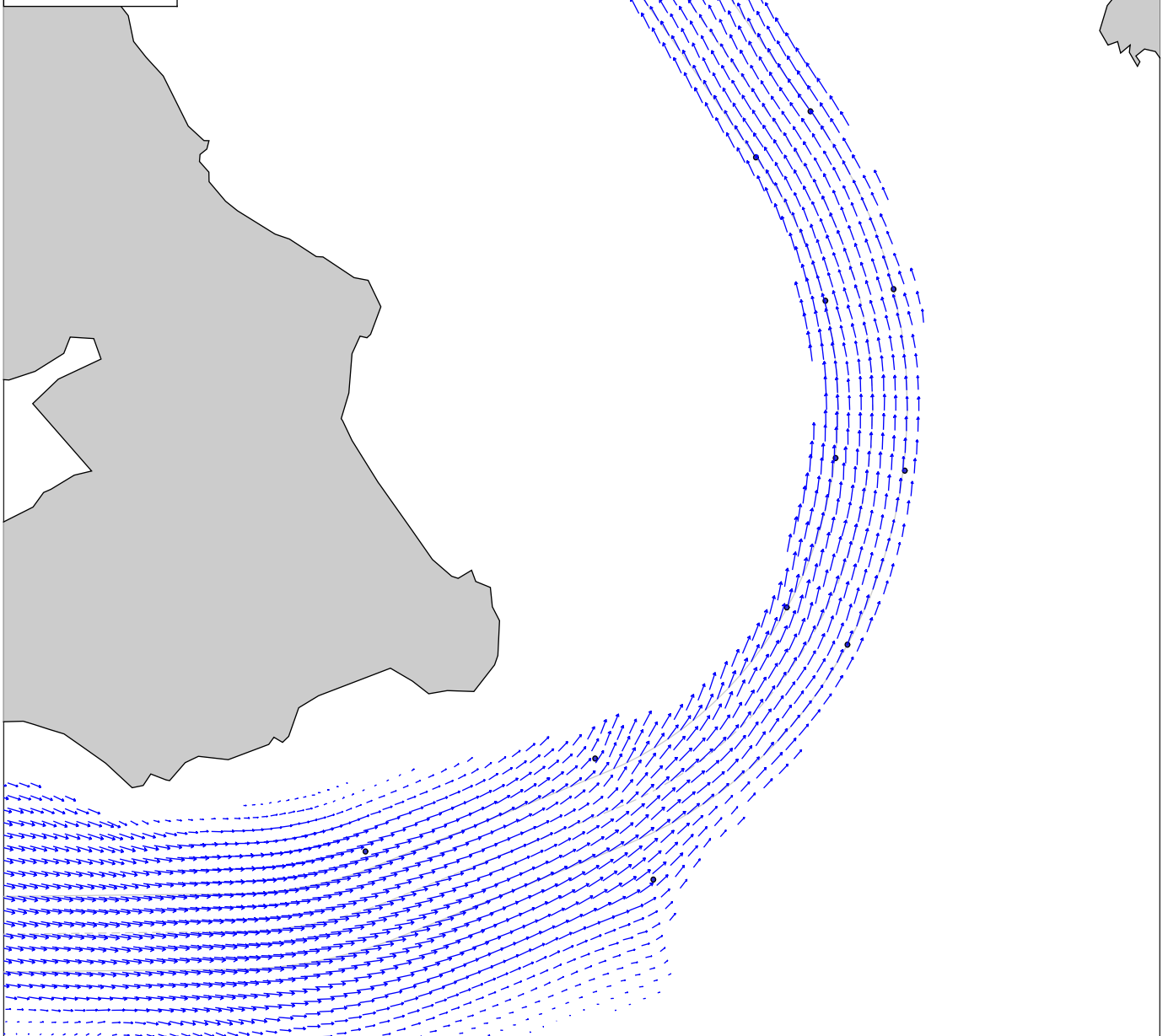
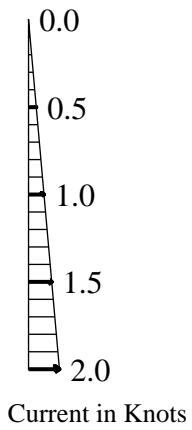
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW +04:00

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

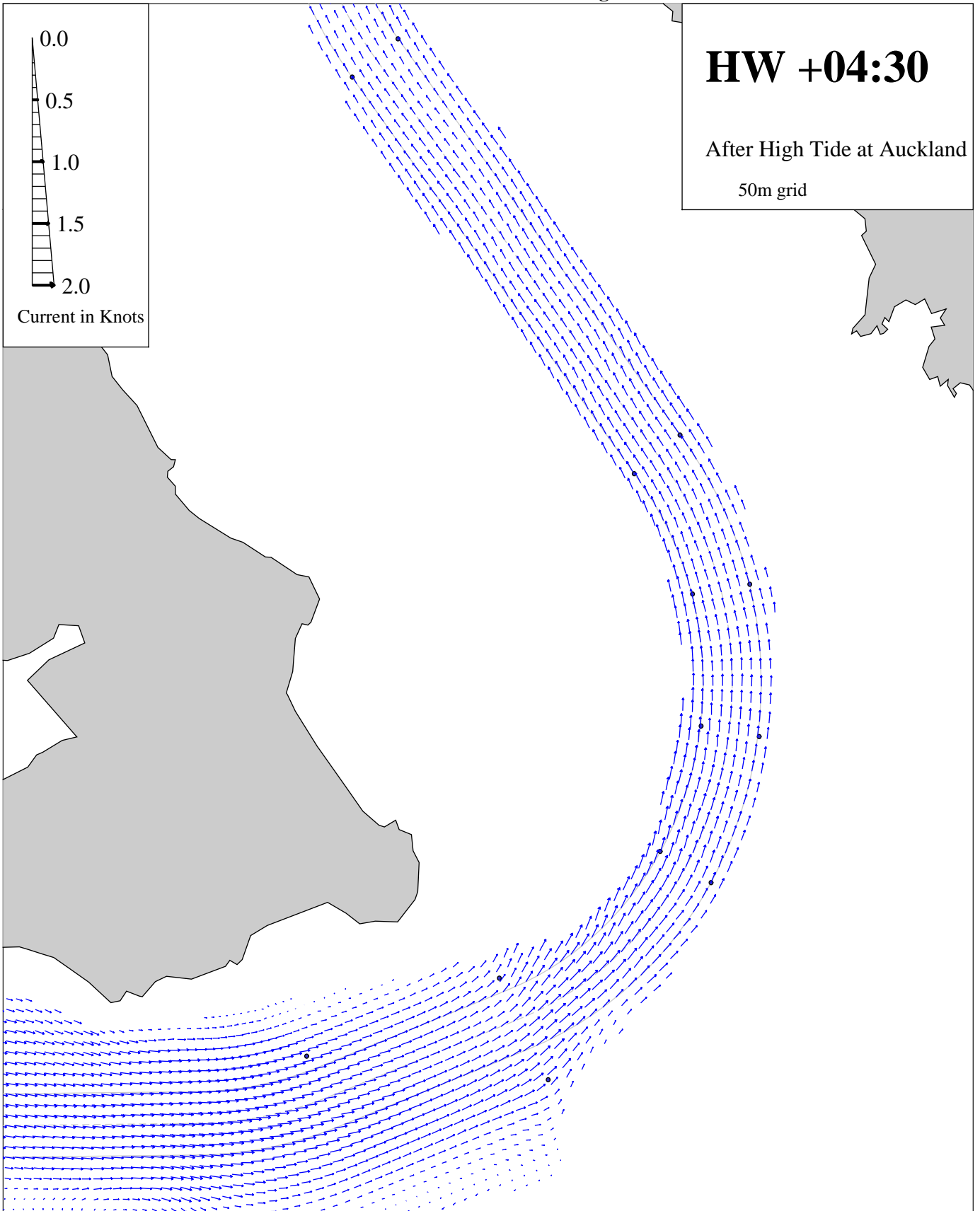
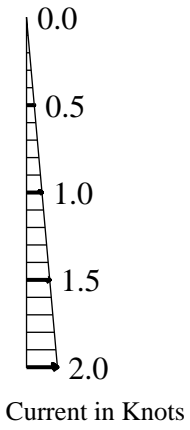
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW +04:30

After High Tide at Auckland

50m grid



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Spring tide of 3.0 meter range

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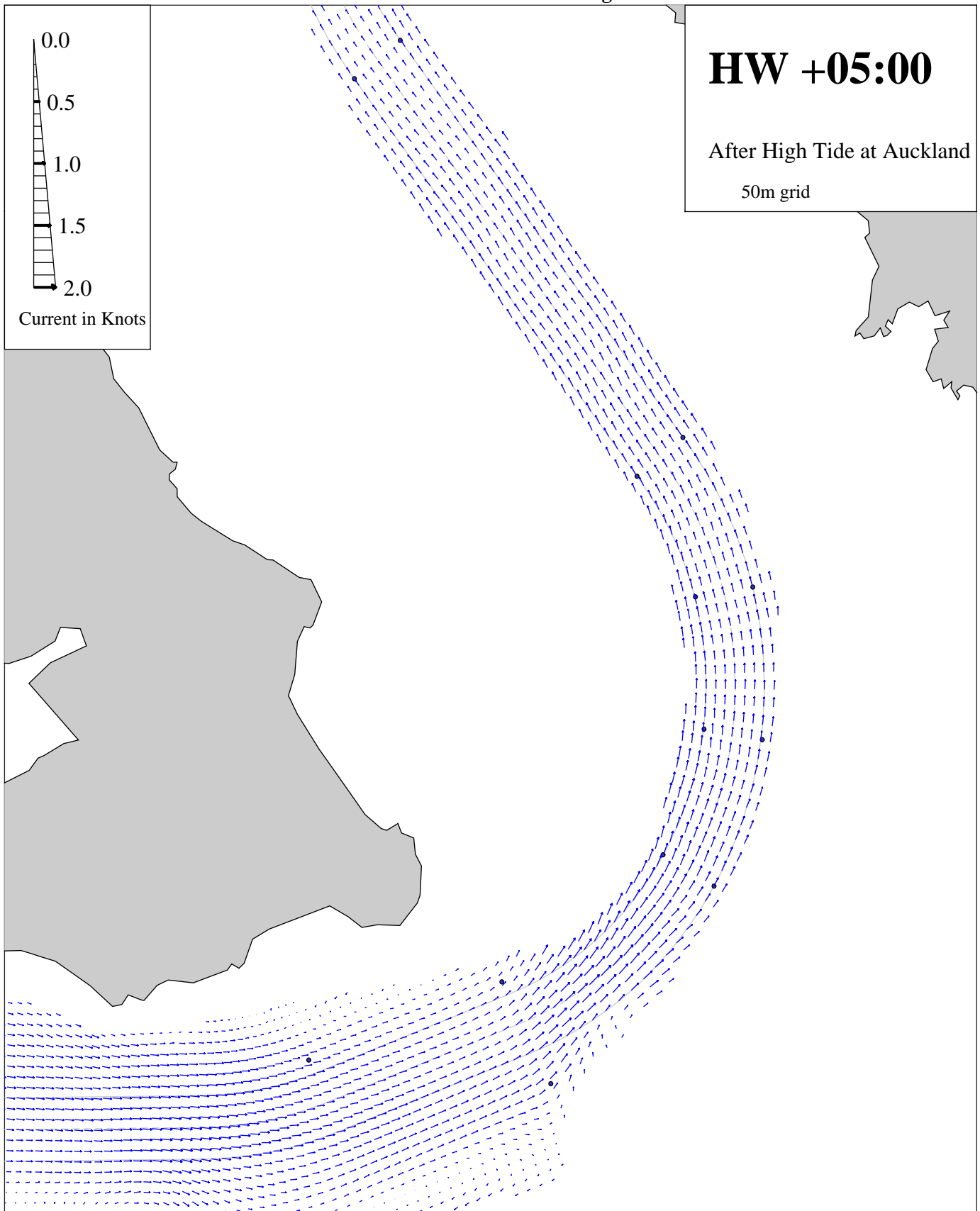
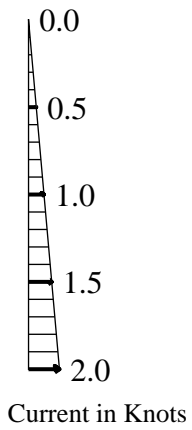
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW +05:00

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

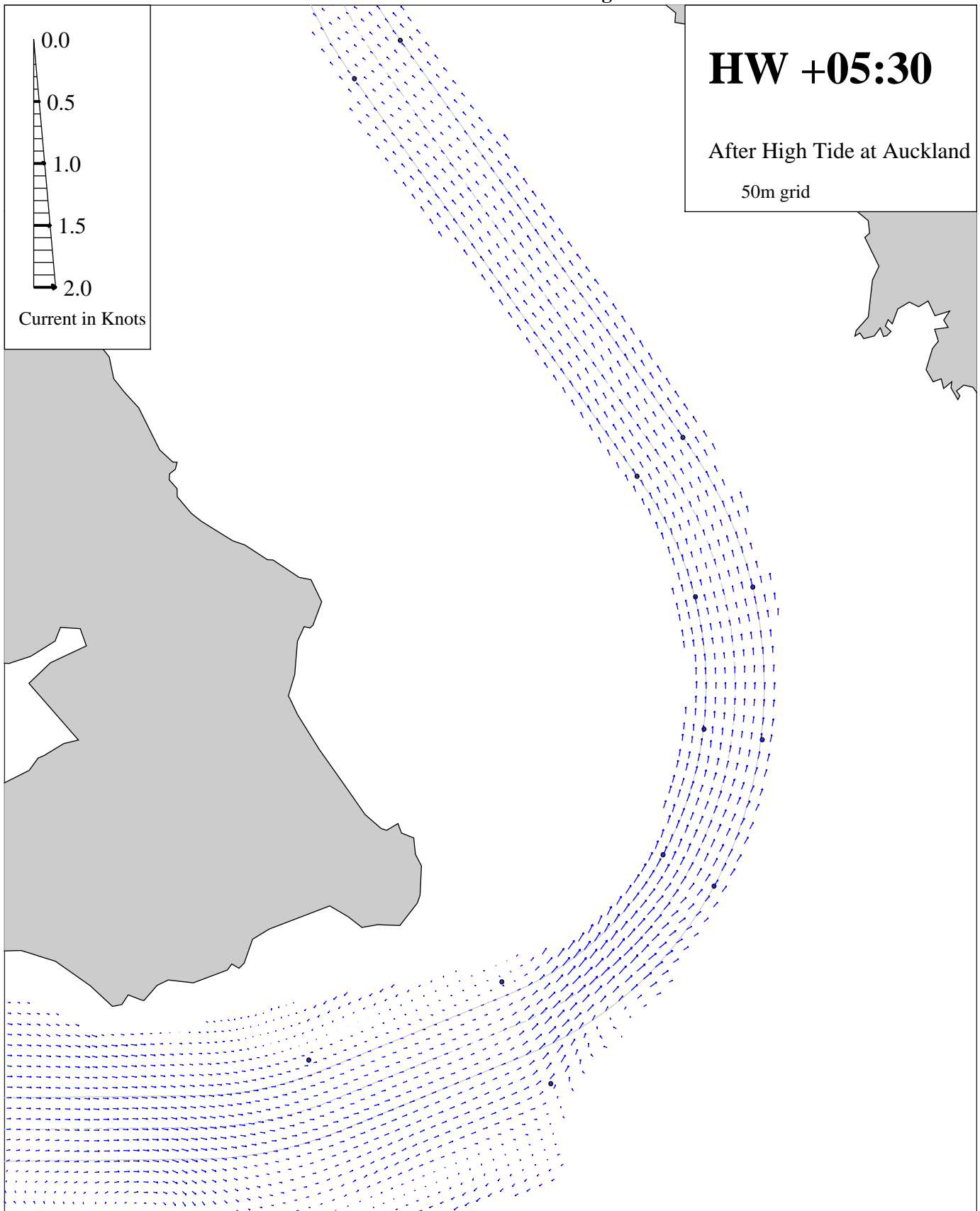
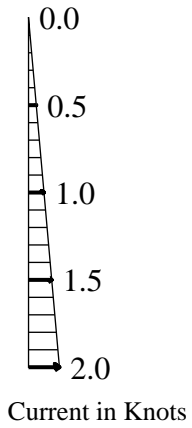
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW +05:30

After High Tide at Auckland

50m grid



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Spring tide of 3.0 meter range

Measurements, Ports of Auckland Ltd, Analysis, Ross Vennell, Ocean Currents Ltd,rvennell@xtra.co.nz 18-Oct-2020

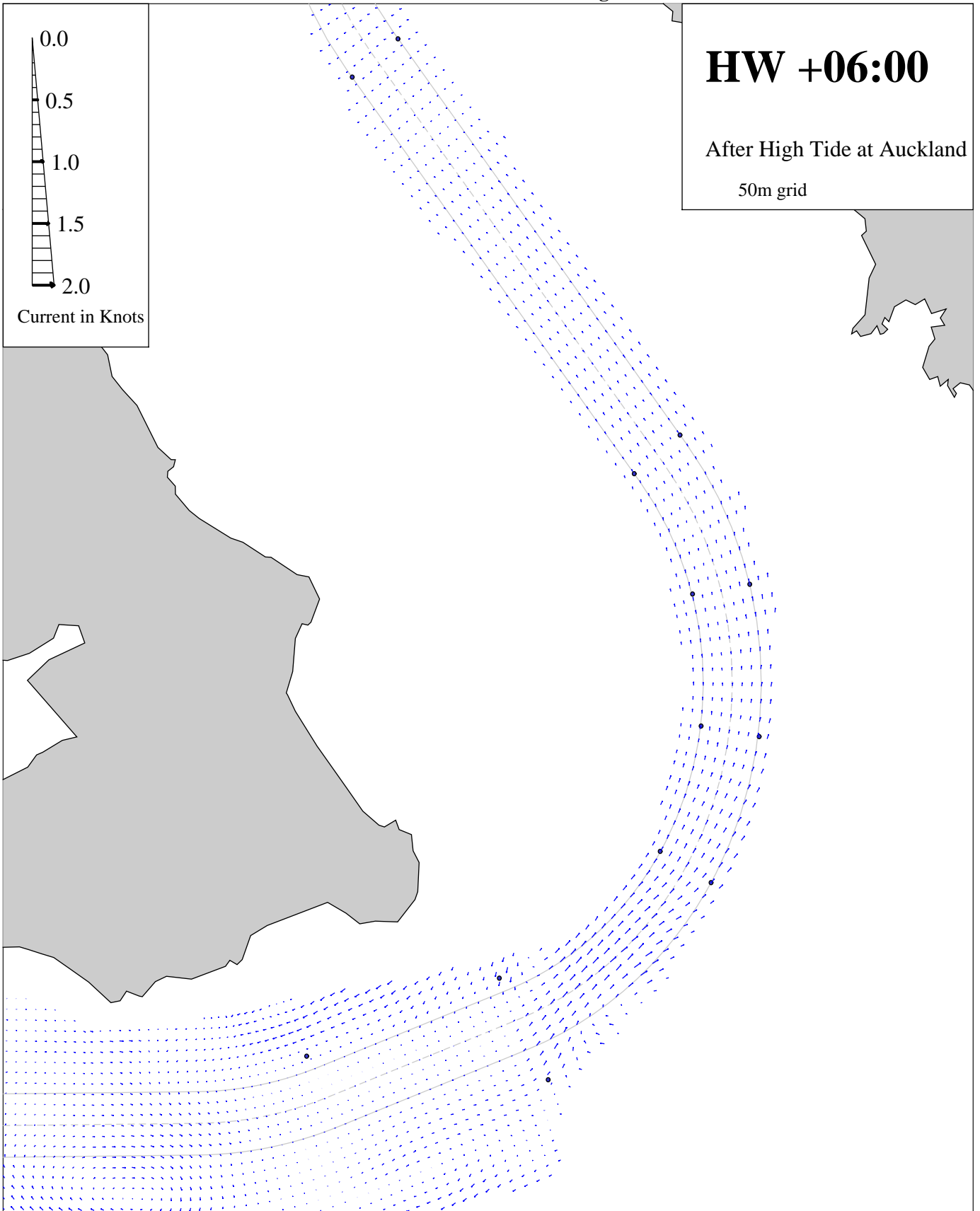
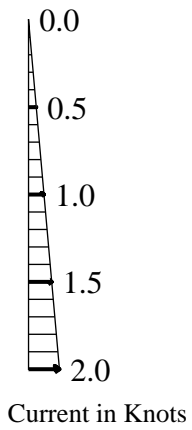
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ADCP Measured Tidal Currents-Inner Rangitoto Channel

HW +06:00

After High Tide at Auckland

50m grid



ADCP measured tidal currents for vessel simulator, surveyed 2014 (inner harbour)+2019 (Rangitoto channel)

Spring tide of 3.0 meter range

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