PIVOT
MARITIME
INTERNATIONAL

LEADERS IN MARITIME SIMULATION

Metocean Data in Maritime Simulation

R&D | Safety Risk Assessments

Ships

Port Development

Offshore Installations

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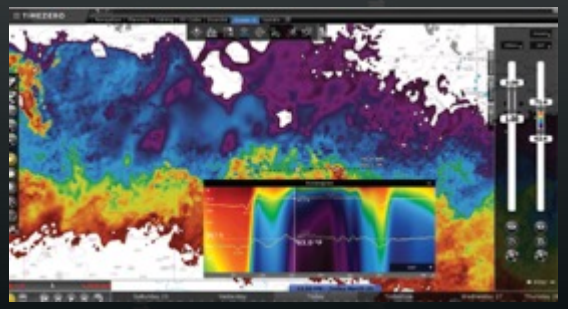
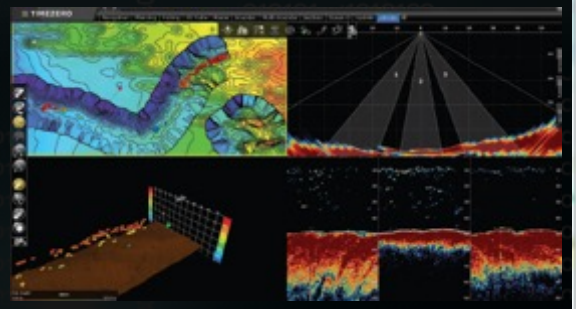
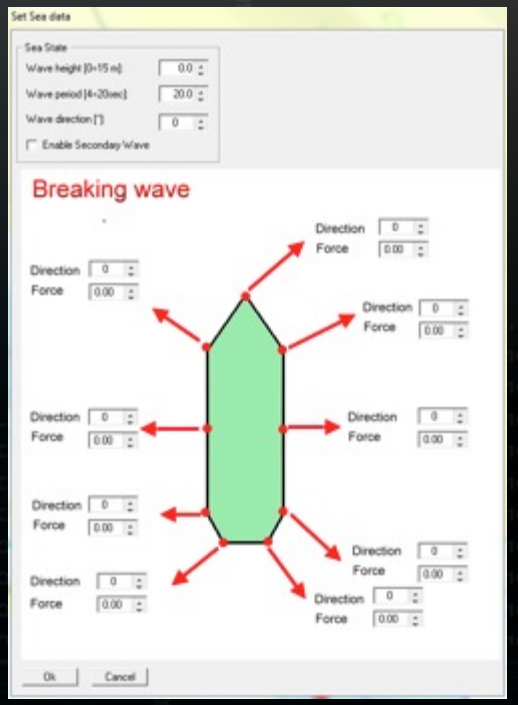
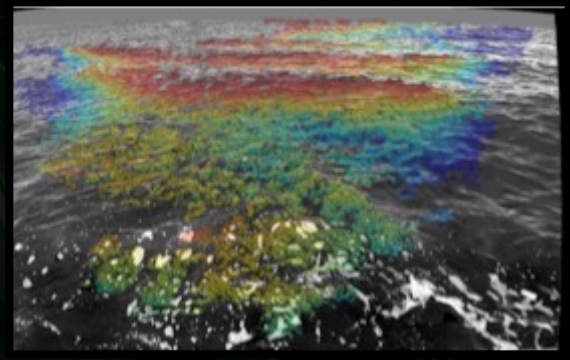
Simulation modelling is based on real-time data

Waves and swells
Wind generated waves and sea spray
Breaking waves with wave force impacts on ships and structures
Opposing currents and wave effects
Vessel wake wash









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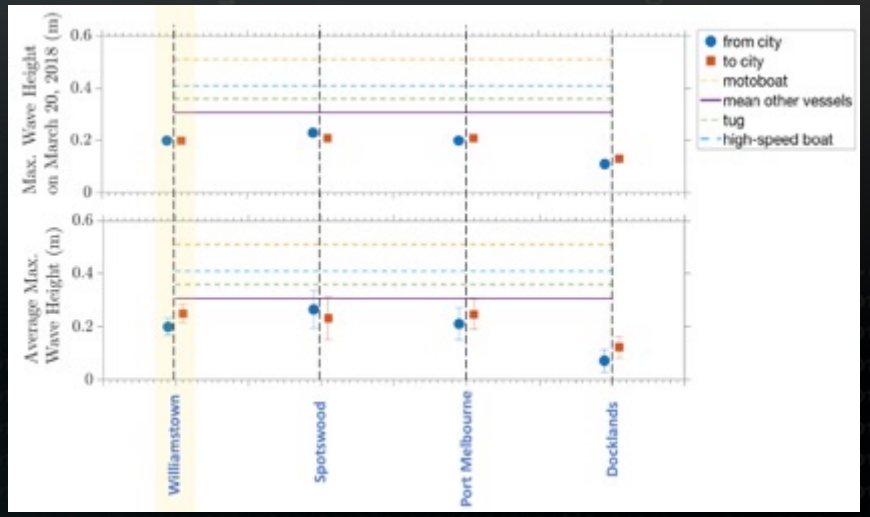
DATA TYPICALLY COLLECTED

Wind direction and strength, wind gusting and shadowing effects
Wave height, length, period, steepness and directions of primary, secondary and reflective waves
Ocean current and tidal heights, directions and strength and tidal surges
Water depths, bottom structures and profiles



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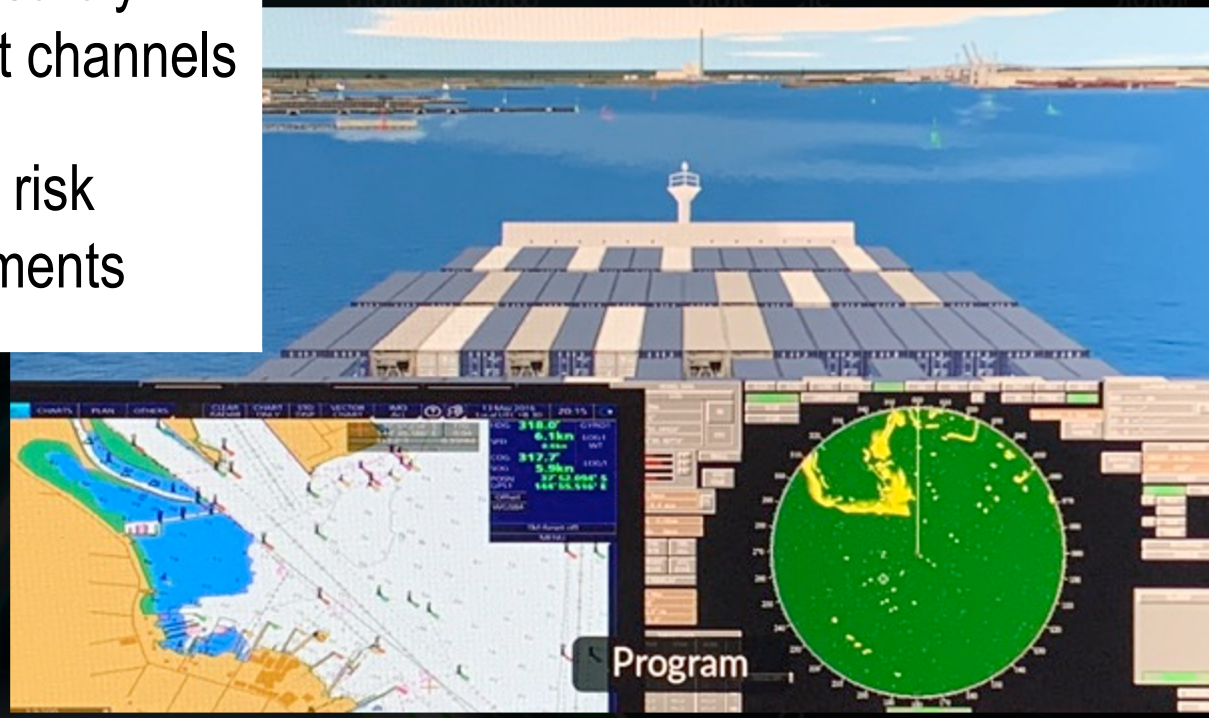
TYPICAL SIMULATION USES

Sea state conditions for ship performance

Size and manoeuvrability of ships to safely navigate port channels

Port development and offshore structures

Safety risk assessments



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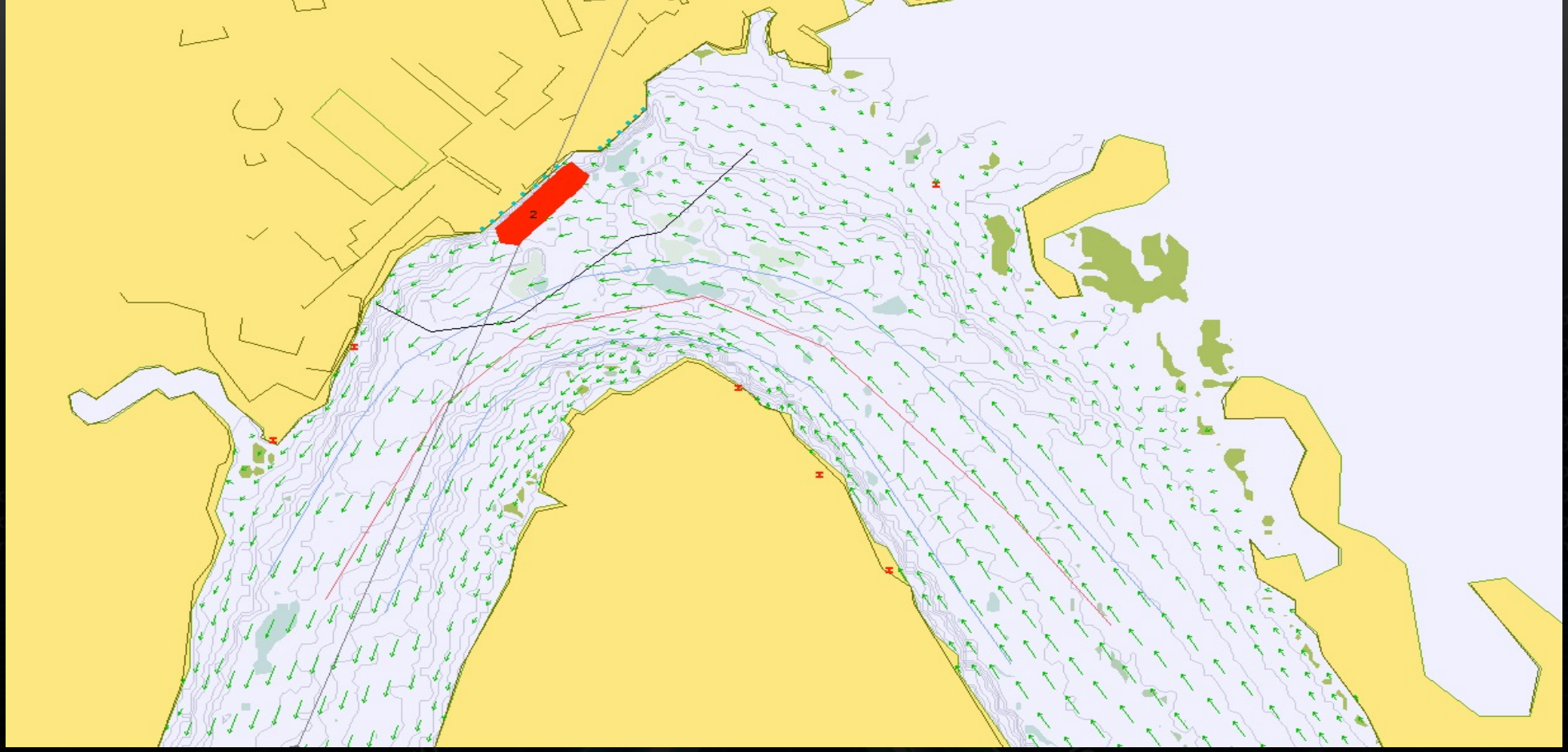

KIUNGA BEND PNG

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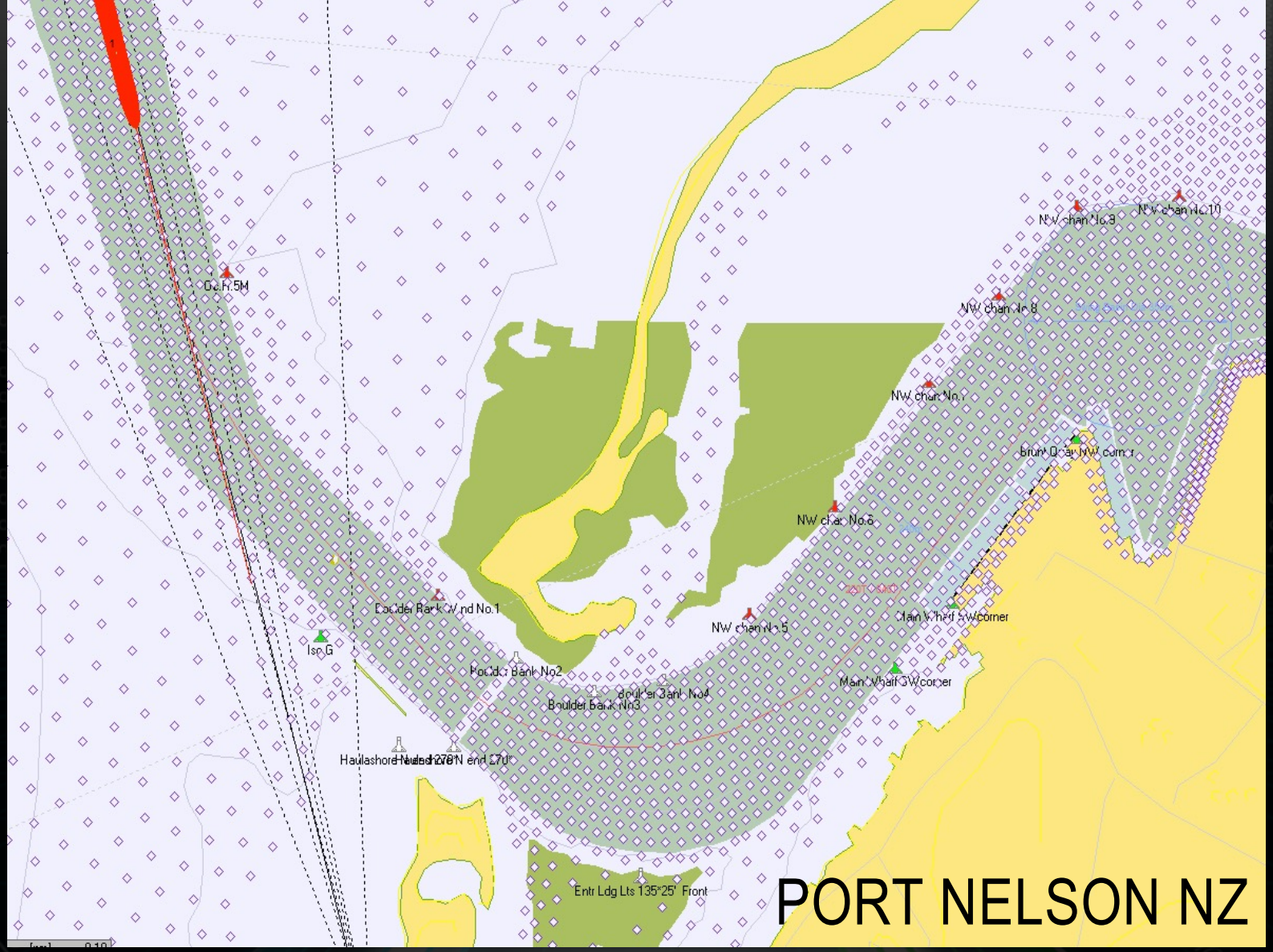

PORT NELSON NZ

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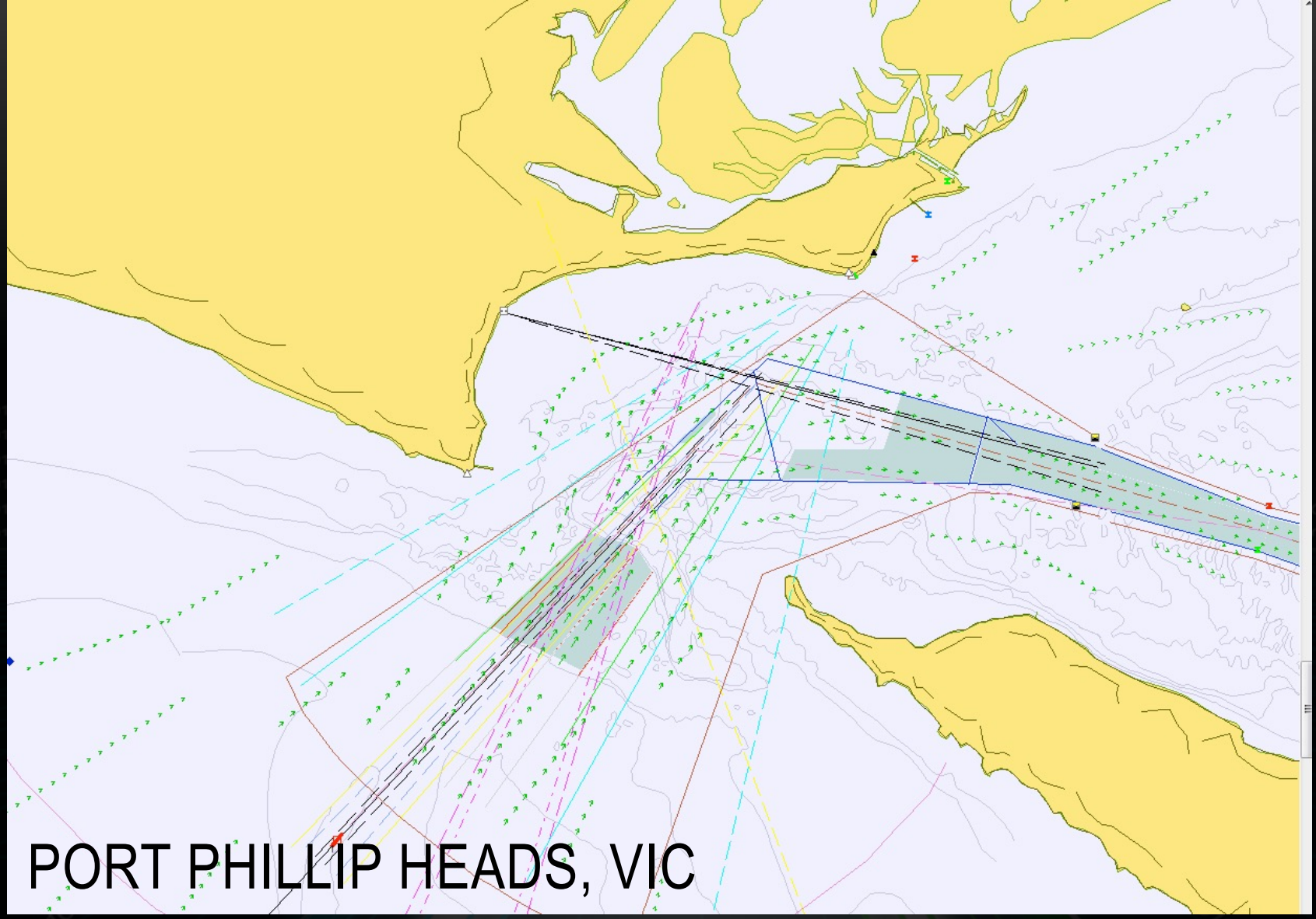

PORT PHILLIP HEADS, VIC

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