

## Supplementary Statement - Entrance Channel Depth

### Introduction

The Port of Melbourne Corporation (PoMC) is currently submitting a Supplementary Environment Effects Statement (SEES) to an Inquiry set up by the Minister for Planning for the Port Phillip Bay Channel Deepening Project (CDP).

My report within the SEES is “Hydrodynamics and Coastal Processes, Head Technical Report” SEES Technical Appendix 45.

I have been asked to consider any implications on my conclusions in the original report based on an assumption of an Great Ship Channel Depth of RL-22m and the modelled hydrodynamic conclusions set out in Cardno Lawson Treloar supplementary reports “Entrance Channel Depth” (July 2007) and “Entrance Channel depth - Waves” (July 2007).

### Objective

The objective of this letter is to describe any potential impact for property damage based on the assumption of a Great Ship Channel depth to RL-22m in comparison to the planned depth of RL-19.1m.

### Methodology

The risk assessment methodology used is consistent with that described in “Hydrodynamics and Coastal Processes, Head Technical Report” SEES Technical Appendix 45 and has been guided by URS as Risk Advisor to PoMC.

### Results

If the Great Ship Channel were to be at a depth to RL-22m in comparison to the planned depth of RL-19.1m, this would affect the following results of my risk assessment:

**Table – Sensitivity Analysis – Comparison of channel depth RL-19.1m and RL-22m**

Impact Pathway	Impact Pathway (cont.)	Potential Impact	Consequence – RL-19.1 m	Consequence – RL-22m	Accountability
Change in sea levels (in the bay)	Direct Impact	Property damage	No predicted impact	No predicted impact	David Provis
Change in currents	Direct Impact	Property damage	No predicted impact	No predicted impact	David Provis
Change in wave patterns in Entrance	Change in coastal processes	Property damage	No predicted impact	No predicted impact	David Provis
	Direct Impact	Property damage	No predicted impact	No predicted impact	David Provis

**Other matters**

Any other matters are included in the reports mentioned above.

**References**

Cardno Lawson Treloar "Hydrodynamics and Coastal Processes, Head Technical Report" SEES Technical Appendix 45

Cardno Lawson Treloar. "Supplementary Report –" July 2007.

Cardno Lawson Treloar. "Supplementary Report – Entrance Channel Depth - Waves" July 2007.

SKM. 11 July 2007. "SEES - Channel Deepening Project. Scour Assessment - The Entrance" SKM letter to PoMC

David Provis

23 July 2007