

Figure 1 Coverage and Grid Schematization of XRL Model - Overview

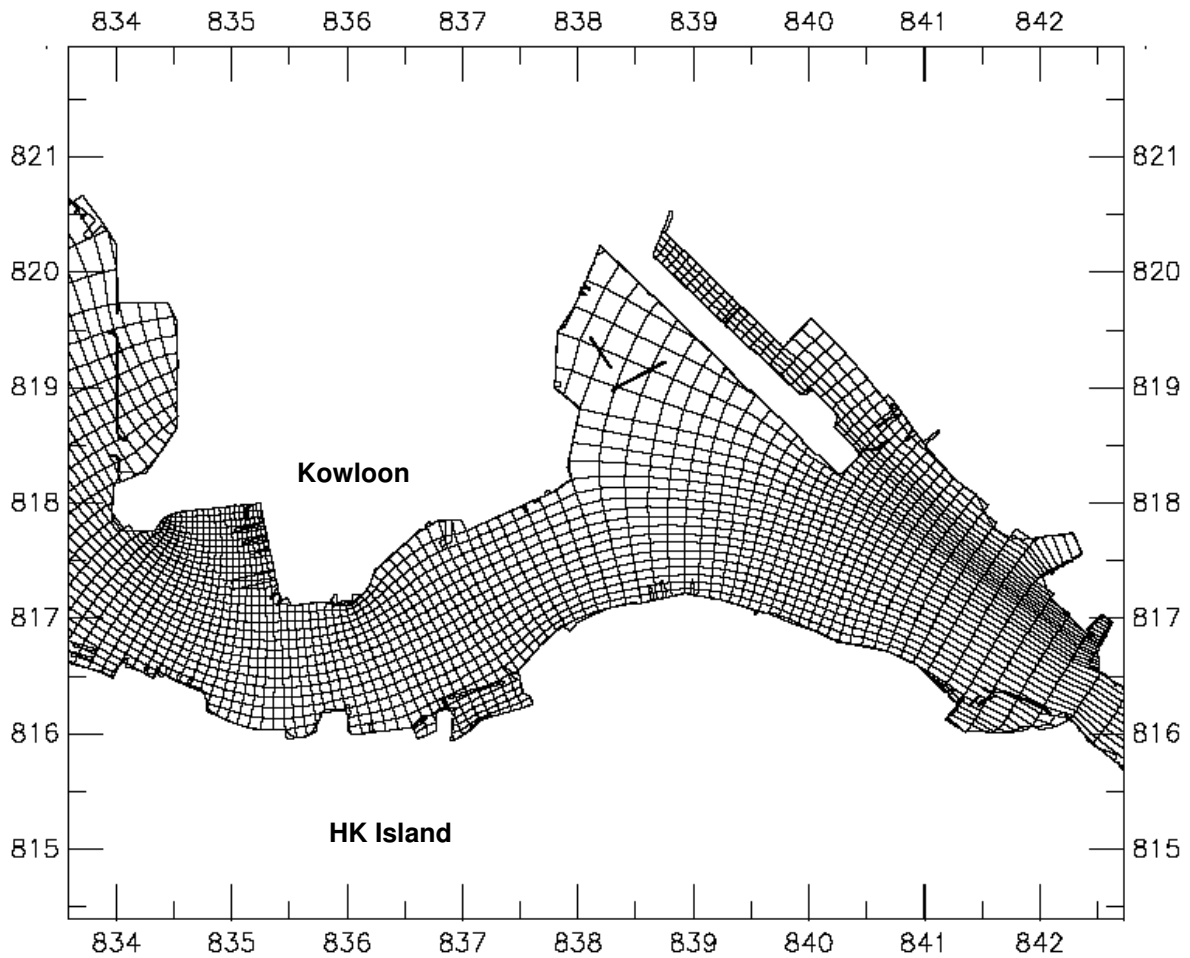


Figure 2 Grid Schematization of XRL Model - Close Up at Victoria Harbour Central

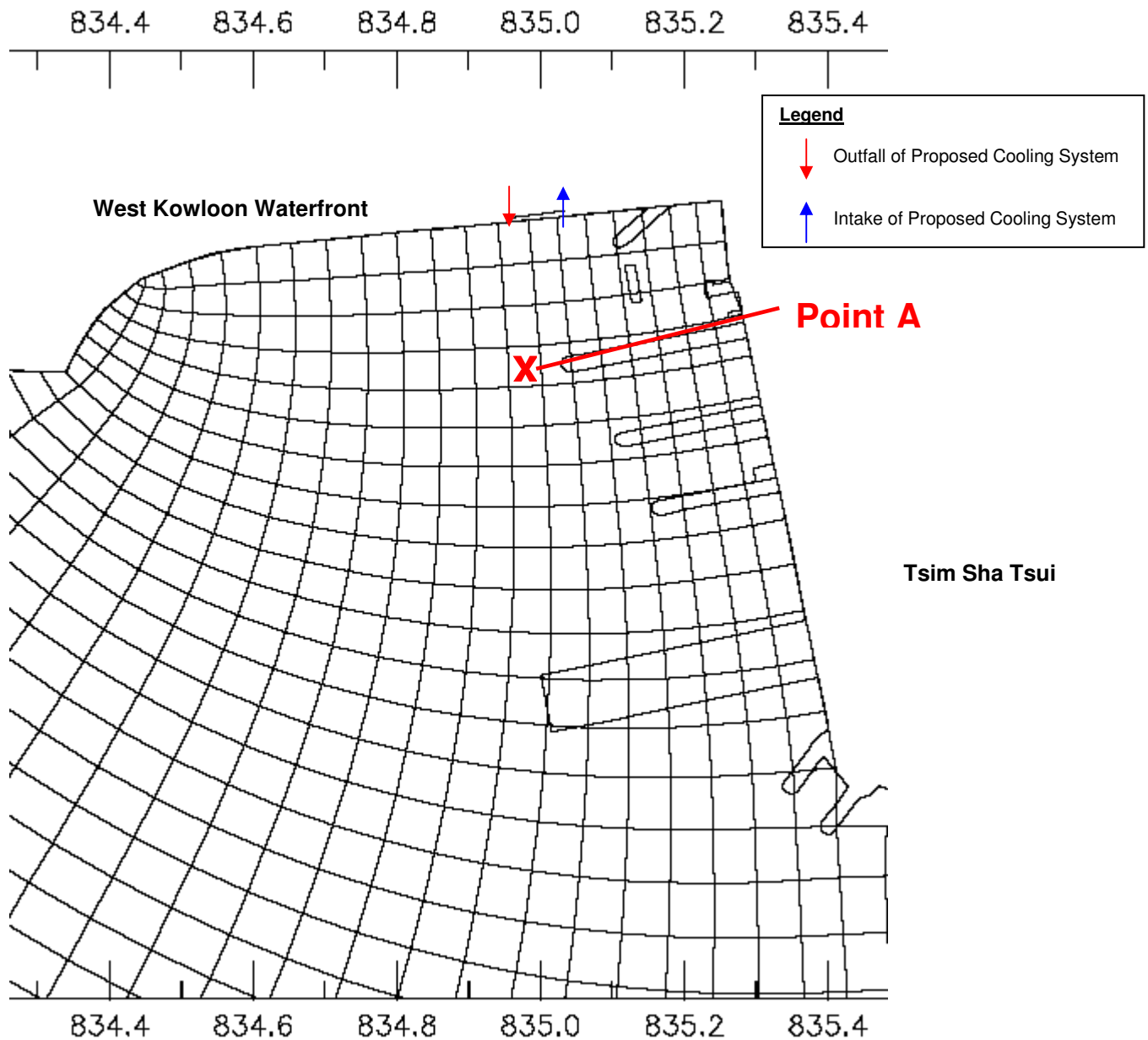


Figure 3 Grid Schematization of XRL Model – Close Up at West Kowloon

Notes: The grid quality in the modified area is generally good except in some areas at or close to the land boundary. Based on the model results available from the approved EIA for Wan Chai Development Phase II and Central Wan Chai Bypass, the flow velocities predicted at the closed grid cells along the land boundary are generally small. The predicted velocities at or near the land boundary of West Kowloon would be less than 0.5 m/s at mid-flood/mid-ebb and less than 0.1 m/s at most of the times. In view of the small velocity, numerical errors associated with the change of orthogonality and smoothness should be small. Therefore, it is considered appropriate to adjust the grid line to represent the coastal features (rather than keeping these closed grid cells orthogonal or smooth). Orthogonality and smoothness at open grid cells has been checked to be adequate.