

## **A Strategy of Coping with Potential Hong Kong Water Crisis**

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From the study of Hong Kong historical water resources, it is found that Hong Kong faces serious drought regularly. Especially, in 1963, a severe drought hit Hong Kong and caused serious suffering in the region. With the understanding of the socio impacts due to the drought in 1963, a strategy is proposed in this study to cope with possible future water crisis (shortage) in Hong Kong. Mainly, a drought mitigation plan for Hong Kong is designed. This plan includes the stepwise triggering mitigation measures according to different drought severities. The drought severity is determined according to the amount of fresh water stored in the local reservoirs and rainfall information. Through this study, it is clear that the water supply in Hong Kong mainly relies on the water diversion from a neighbour watershed, the East River basin; however, to a certain extent, the drought plan would be important to reduce the water demand and to attenuate the water crisis possibly occurred in Hong Kong.

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