
Symposium on "Advances in Water Resources Management"

in celebration of the 10th Anniversary of the IAHR-HK Chapter



March 25 - 27, 2008

Flood Control in Hong Kong

Jason W.C. LEUNG

Drainage Services Department, Hong Kong SAR Government, Hong Kong, China

Abstract:

Drainage Services Department (DSD) is responsible for the planning, investigation, design, construction, operation and maintenance of stormwater drainage systems to prevent flooding in Hong Kong. This paper presents the work of DSD in flood control. It gives an overview of the flood control strategy, flood protection standards, long term flood control measures adopted in Drainage Master Plans (including river training, village polders, urban drainage improvements, stormwater diversion by bypass floodway/drainage tunnels and flood storage), land use management and control and flood warning. Environmental aspects such as greening works, other ecological considerations are considered during the implementation of the flood control projects. Challenges in Total Water Management and Climate Change are also mentioned for the future sustainable development in Hong Kong.