

CONTROLLING OFFICER'S REPLY

DEVB(W)219

(Question Serial No. 5852)

Head: (39) Drainage Services Department

Subhead (No. & title): (000) Operational Expenses

Programme: (1) Stormwater Drainage

Controlling Officer: Director of Drainage Services (TONG Ka Hung, Edwin)

Director of Bureau: Secretary for Development

Question:

- (1) How many flooding cases occurred on Hong Kong Island over the past year? Please list in chronological order these cases by date, amount of rainfall on the dates in question and cause(s) of flooding.
- (2) What is the progress of improvement works commenced by the Government for each flooding blackspot on Hong Kong Island? Please advise on the details of the works, progress and estimated expenditure involved; and
- (3) Will the Government commence any improvement works in respect of the flooding blackspots in the coming year? What are the work plan and estimated expenditure?

Asked by: Dr Hon Kenneth CHAN Ka-lok (Member Question No. 158)

Reply:

- (1) In 2015, there were a total of five flooding cases on Hong Kong Island. The cases were recorded when the RED/AMBER rainstorm signal was issued on 11 May 2015, 23 May 2015 and 22 July 2015. Hourly rainfall intensity exceeding 50 millimetres on Hong Kong Island was recorded on these days. Details are as follows:

Date of Rainstorm Event	No. of cases	District
11 May 2015	3	Eastern District
23 May 2015	1	Central
22 July 2015	1	Pok Fu Lam

Among the five flooding cases, four recorded on 11 and 23 May 2015 were minor and happened in localised areas in Eastern District and Central. They were due to blockage of roadside gullies or surface channels resulting in an ineffective discharge to cope with the large quantity of rainwater.

The case at Pok Fu Lam Village occurred during the heavy rainstorm on 22 July 2015 with a maximum hourly rainfall intensity exceeding 80 millimetres. The flooding was due to blockage and an insufficient drainage capacity in the village resulting in an ineffective discharge to cope with a large amount of rainwater during the peak flow. Also, Pok Fu Lam Village is in a low-lying area where the runoff flow path was altered during the development of the village in the early years. This has exacerbated flooding during heavy rainstorms.

- (2) & (3) There are currently three flooding blackspots on Hong Kong Island. Details of the drainage improvement works at the blackspots together with their progress and the expenditure involved are as follows -

Flooding Blackspot	Details of Drainage Improvement Works
(i) Pok Fu Lam Village	Drainage upgrading works, which cost \$5.9 million, were completed in 2009. Further drainage improvement works are being planned.
(ii) Wong Chuk Hang Road, junction of Nam Long Shan Road	<p>The construction of stormwater drains along Wong Chuk Hang Road, Yip Kan Street and Tong Bin Lane was completed in 2010 and the drainage improvement works at the junction of Nam Long Shan Road were completed in 2014. The performance of the improved drainage system is being monitored.</p> <p>The costs of the above-mentioned stormwater drainage works and drainage improvement works were \$7.5 million and \$6.0 million respectively.</p>
(iii) Morrison Hill Road, junction of Lap Tak Lane	<p>The following related drainage improvement works were completed in recent years -</p> <ul style="list-style-type: none"> (a) Construction of the Hong Kong West Drainage Tunnel, with a cost of \$3,381.3 million, was completed in 2012. (b) Construction of stormwater drains along Sung Tak Street and Morrison Hill Road, with a cost of \$6.5 million, was completed in 2014. (c) Construction of stormwater drains along Lap Tak Lane and Yat Sin Street, with a cost of \$6.5 million, was completed in February 2016. <p>Construction of an underground stormwater storage tank in Happy Valley commenced in September 2011 for completion by 2018 in phases. Phase 1 was completed in March 2015 while Phase 2 is scheduled to be completed in</p>

	early 2018. The estimated cost for this project is \$1,065.8 million.
--	---

- End -