

Woking flooding – September 16th flood event – Addendum to the Woking 11th May flood event.

Introduction

A storm event that affected Woking in the early hours of September 16th 2016, resulted in flooding along the Rive Ditch. The areas affected in Woking were centred on Walton Terrace and the Woodland Avenue area of West Byfleet. The flooding occurred in the same areas as the May 11th flood event. This brief report is an addendum to the May 11th Section 19 and forms a record of the repeated flooded areas. There were seven recorded internal property floods.

Trigger for S19 addendum

- Internal property floods exceeded trigger of 6 internal property floods and repeated property flooding.

Location

Sections of the Rive Ditch and associated drainage network exceeded capacity resulting in flooding of the Walton terrace area and Woodland Avenue area of West Byfleet. These same areas were flooded on the 11th May, 2016; see 11th May Section 19 flood investigation location map.

Weather Conditions and flooding

A storm event, outlined in Figure 1 below, covered Woking in the early hours of 16th September. The radar rainfall rate indicated that the Woking area received a rate of greater than 32mm / hour at 1.15am. Local rainfall weather stations indicated that there were two pulses of rainfall at 12.30am and 2.00am in the Maybury area (see ref 1).

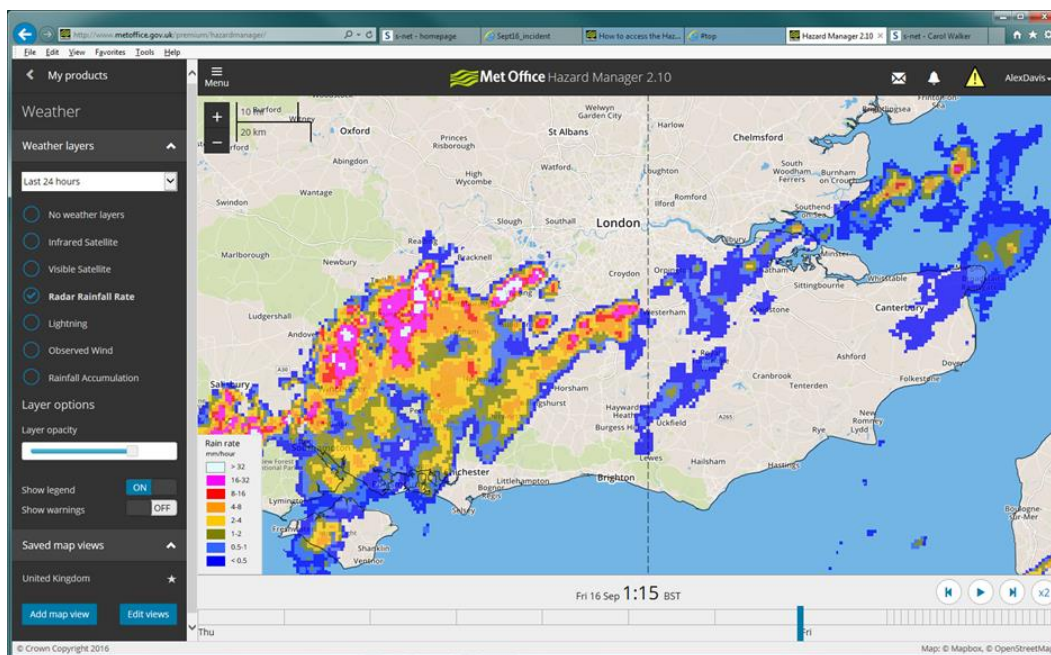


Figure 1. Rainfall Intensity map on the 16th September at 1.15 am showing the storm location.

Source: MetOffice Radar hazard manager.

Repeat flooding occurred in Walton Terrace, Maybury area Woking and Woodland Avenue - Birchwood Drive / Station Road area in West Byfleet.

Risk Management Functions carried out during the flood event

Risk Management Authorities attended the Walton Terrace area following reports of flooding. Woking Borough Council officers and Surrey County Council Emergency Management Team attended Walton Terrace to assess flood extent and to assist residents affected by flooding. Extra sandbags were provided to households who requested them. Temporary accommodation was offered where necessary.

Runnymede Borough Council received calls from the public in the Woodham Lock area of West Byfleet regarding flooding and attended the area on the morning of 16th September to clear debris and assessed the area around Woodlands Avenue, West Byfleet.

Summary

The flooding mechanisms for the 16th September storm event were similar to the 11th May event where the Rive Ditch exceeded capacity resulting in flooding of the local area. The property flooding occurred in the Walton Terrace area and in the Woodlands Avenue / Station Road area of West Byfleet. The Rive Ditch is part of an ongoing flood alleviation project in Woking which is looking at options for flood mitigation. The September 16th flooding event forms an addendum to the 11th May flood event and records a repeat area flooding of the Walton Terrace and West Byfleet areas.

Reference

1 <https://www.wunderground.com/personal-weather-station/dashboard?ID=ISURREYW4#history/s20160916/e20160916/mdaily>