

Braunton, North Devon  
22<sup>nd</sup> Dec 2013



**Dr Crystal Moore**  
**Head of Flood Forecasting Centre**

**National flood  
emergency co-ordination**



# FLOODFORECASTINGCENTRE

*a working partnership between*

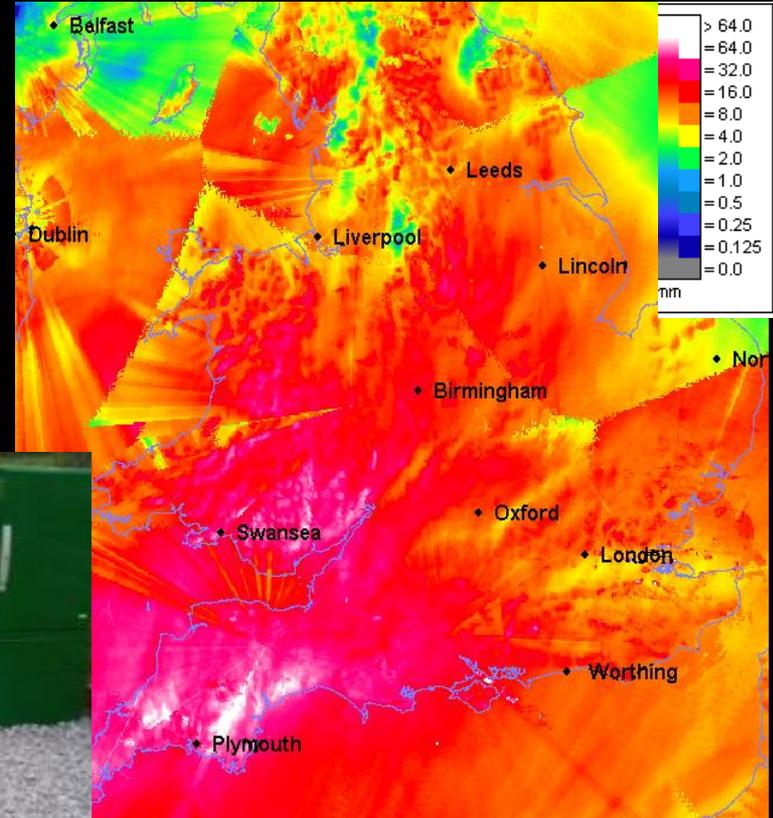
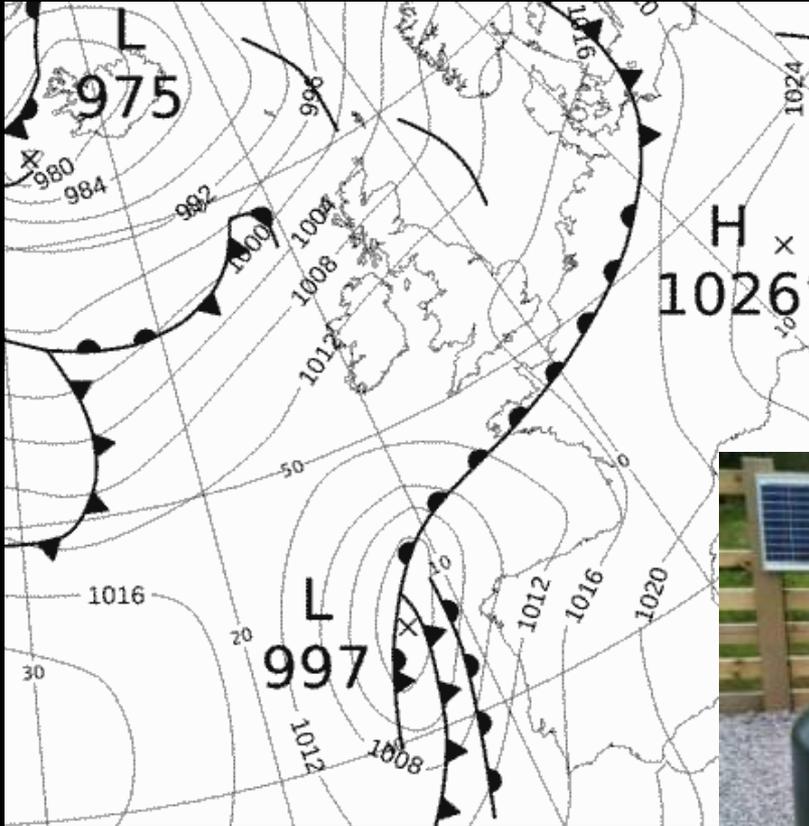


**Increasing time for effective  
action**



# Saturday 24 November 2012 – weather and observations

An active low brings further heavy rain and strong winds to the SW

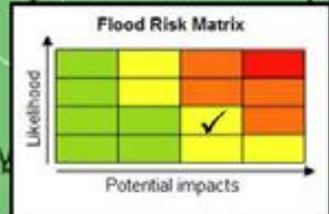
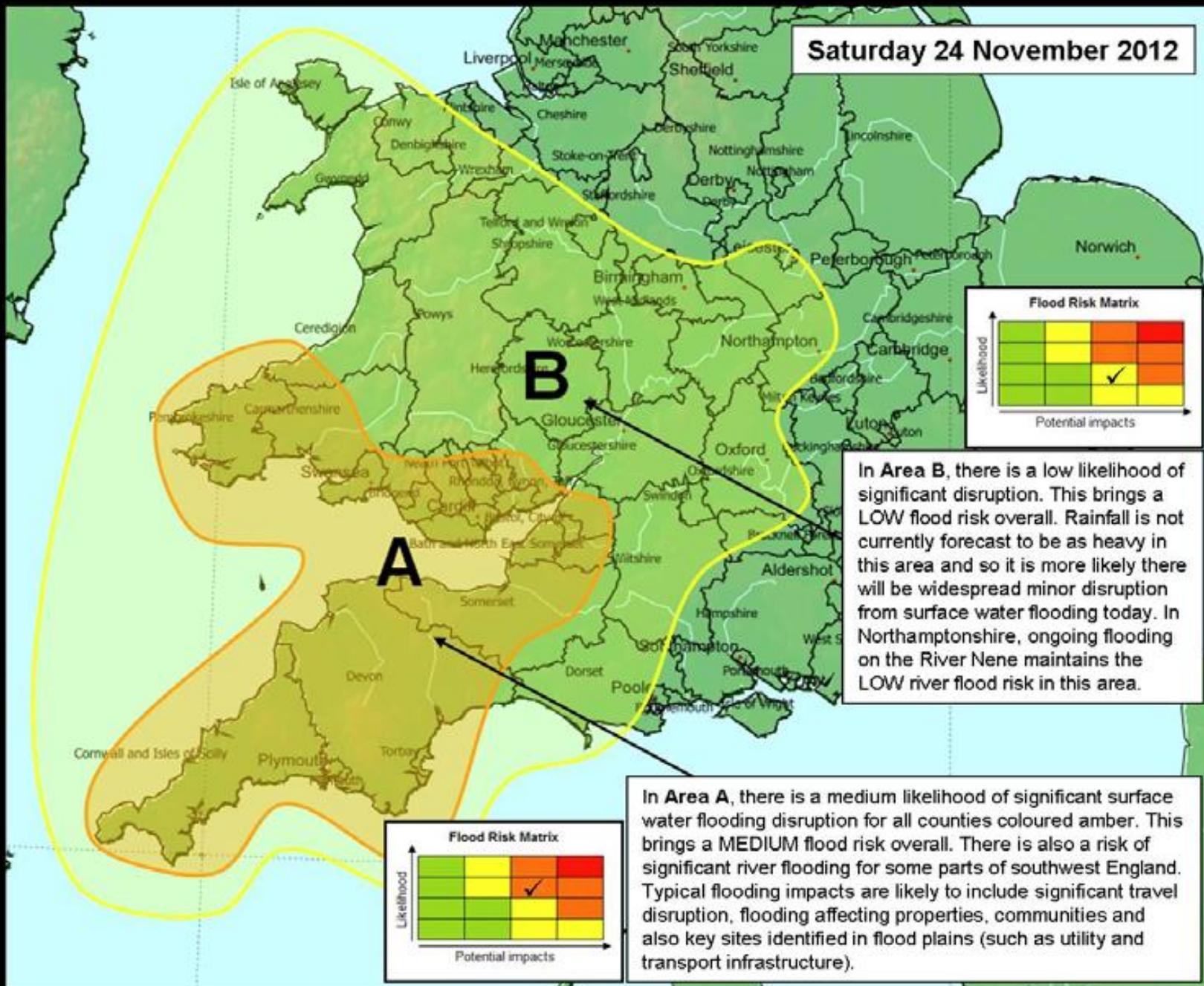


35-45 mm widespread; 70 mm max

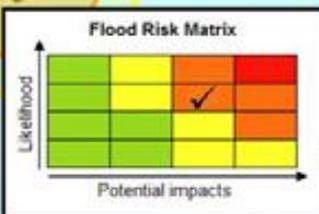
Forecasts verified

EA Regional data on impact

Saturday 24 November 2012



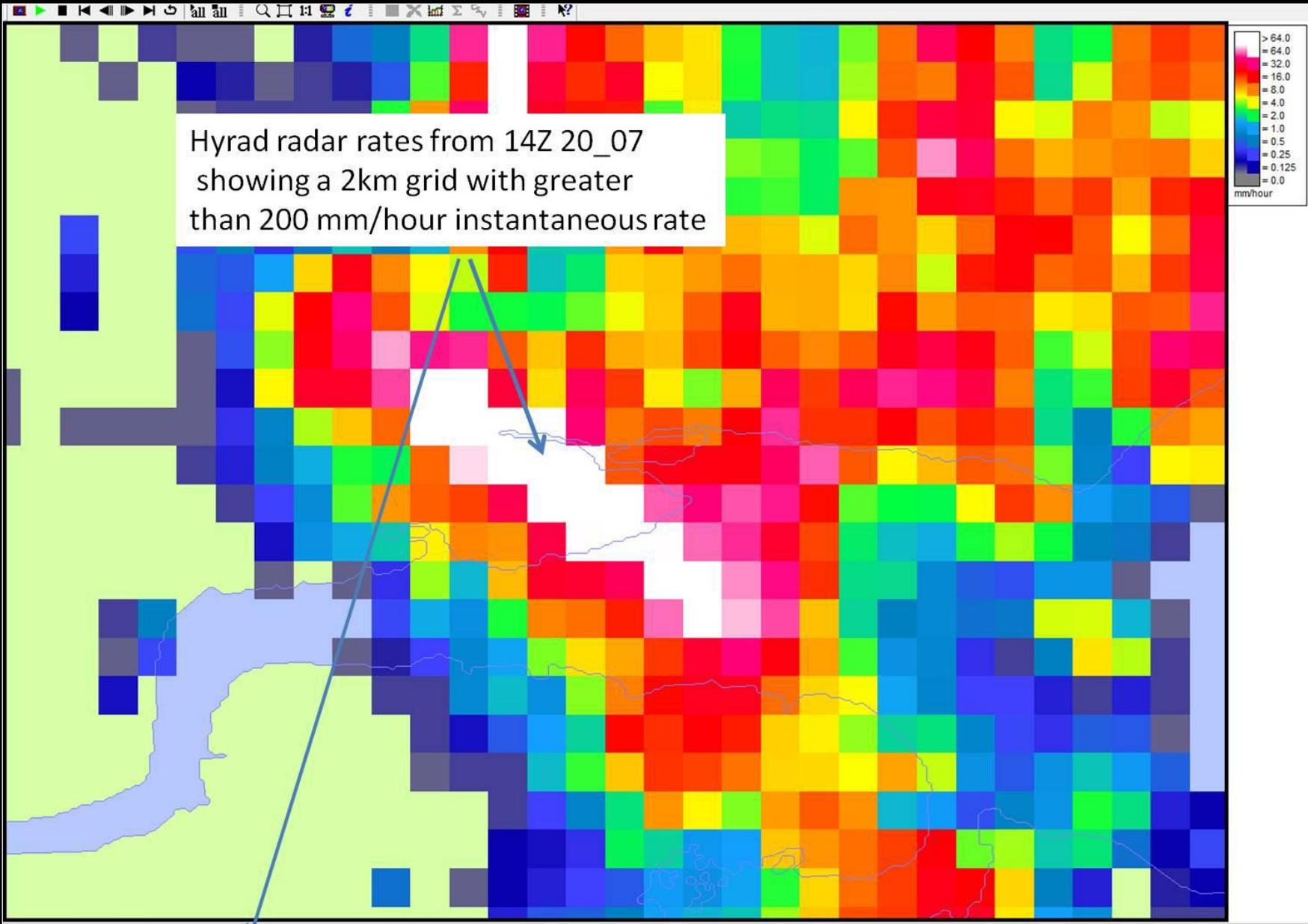
In **Area B**, there is a low likelihood of significant disruption. This brings a **LOW** flood risk overall. Rainfall is not currently forecast to be as heavy in this area and so it is more likely there will be widespread minor disruption from surface water flooding today. In Northamptonshire, ongoing flooding on the River Nene maintains the **LOW** river flood risk in this area.



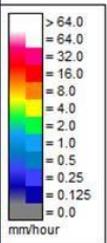
In **Area A**, there is a medium likelihood of significant surface water flooding disruption for all counties coloured amber. This brings a **MEDIUM** flood risk overall. There is also a risk of significant river flooding for some parts of southwest England. Typical flooding impacts are likely to include significant travel disruption, flooding affecting properties, communities and also key sites identified in flood plains (such as utility and transport infrastructure).

# Canvey Island 2014





Hyrad radar rates from 14Z 20\_07 showing a 2km grid with greater than 200 mm/hour instantaneous rate



# Canvey Island – 20<sup>th</sup> July 2014

~100mm of rain fell from 12:40 - 17:00

Most of the rain fell from 13:30 – 14:30

Hourly accumulation of about 80mm

60-80mm is the monthly LTA for the area



# Hypothetical 2007 scenario over London – impacts summary

- 1.7 million residents at risk
- 118,000 non-residential properties at risk
- Severe transport disruption

