

Ems Flood Defence files – inspected at Chichester Office (through M Ford)

Copy of: Rofe, Kennard & Lapworth (1996) *River Ems Flooding. Investigation and Appraisal of Options for Flood Alleviation*. EA Southern Region (held by M Ford).

Rainfall data available for three locations...NGR 47861103; 48101175; 47551070

Refers to various data sources. Useful background on character of catchment (geology, topography, land-use, abstraction etc.) and flooding of 1993/4.

Consultants appointed June 95 – to:

- Assess extent, degree, causes, consequences, damages and cost of flooding.
- Advance understanding of the 1993/4 event
- Identify feasible options (phase 2)

Non-main river – Stoughton & Walderton problems related to inadequate drainage and channel size. Sandbagging required to protect properties, and also evacuation. Road impassable for long period (six weeks).

Flooding in Westbourne – complicated by ‘bunny’ – now known to be historical flow that would have cleaned the open road sewers.

The report regarding Lumley Road and Slipper Mill states:

There are a number of private sluices between Westbourne and this area. There is a lack of goodwill and coordination between the operators (which are not under EA control) with the result that they are not always managed in a fashion which works to the best advantage of all residents.

Report also noted that flooding upstream of Westbourne Mill can be avoided by having the sluice fully open, this exacerbates flooding downstream. In March 1994 the canal was desilted and the banks built up – this resolved leakage of bank to ditch adjacent to school (now – 2006, bank trampled and no defence). Westbourne Mill pond also desilted June 1994.

Report noted problems for flooding if slipper mill pond levels kept high. Amazing the 1:200 year event was estimated to have resulted in <£100k of damage!! Therefore concluded mainly disruption.

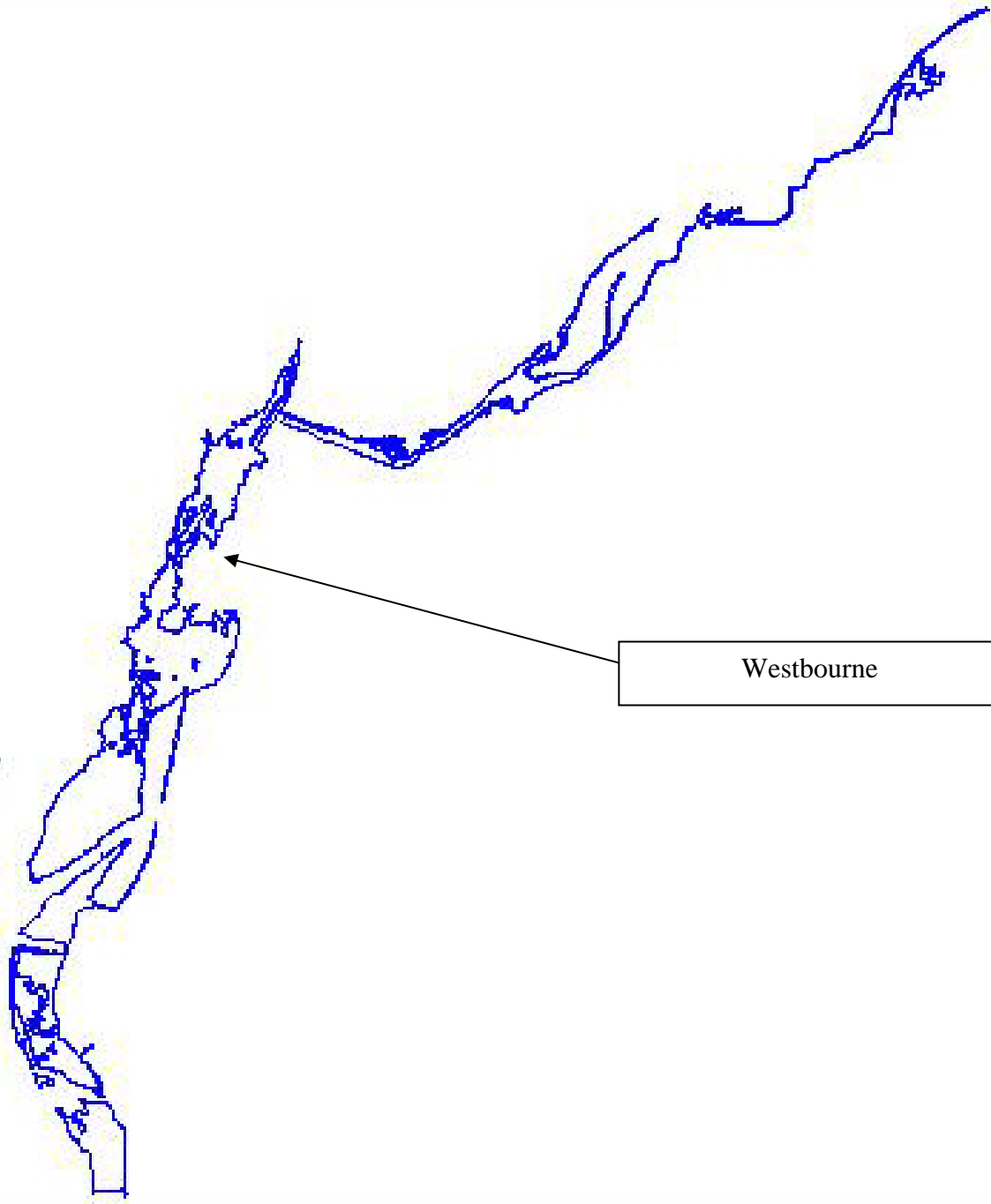
1994 event was estimated as 1:200 event; 1995 event 1:40.

Also in file some photos of Ems catchment tour 5th Jan 2001 – flood pics of 2000.

File note shows that very high tides combined with high winds can cause flood problem in lower Ems – as on 10-13 Jan 1993. Caused fluvial flood up to new A27. No property flooding except Gooseberry Cottage that is in centre of floodplain and regularly is inundated.

Stoughton (Ems – u/s Walderton). road flooding etc. Walderton culverts considered too small and cause flooding. Also some risk on Racton arm due to over-grown channel and uneven sized culverts.

Reference made in several places re awaiting Halcrow report – assume they were looking at options to address identified problems...**what happened?**



Westbourne

1:100 year envelope from FRM, EA.