

# SFRA/Flood Map Update

23 November 2010

**Location:** Congresbury

**Watercourse(s):** Congresbury Yeo

**District:** North Somerset Council

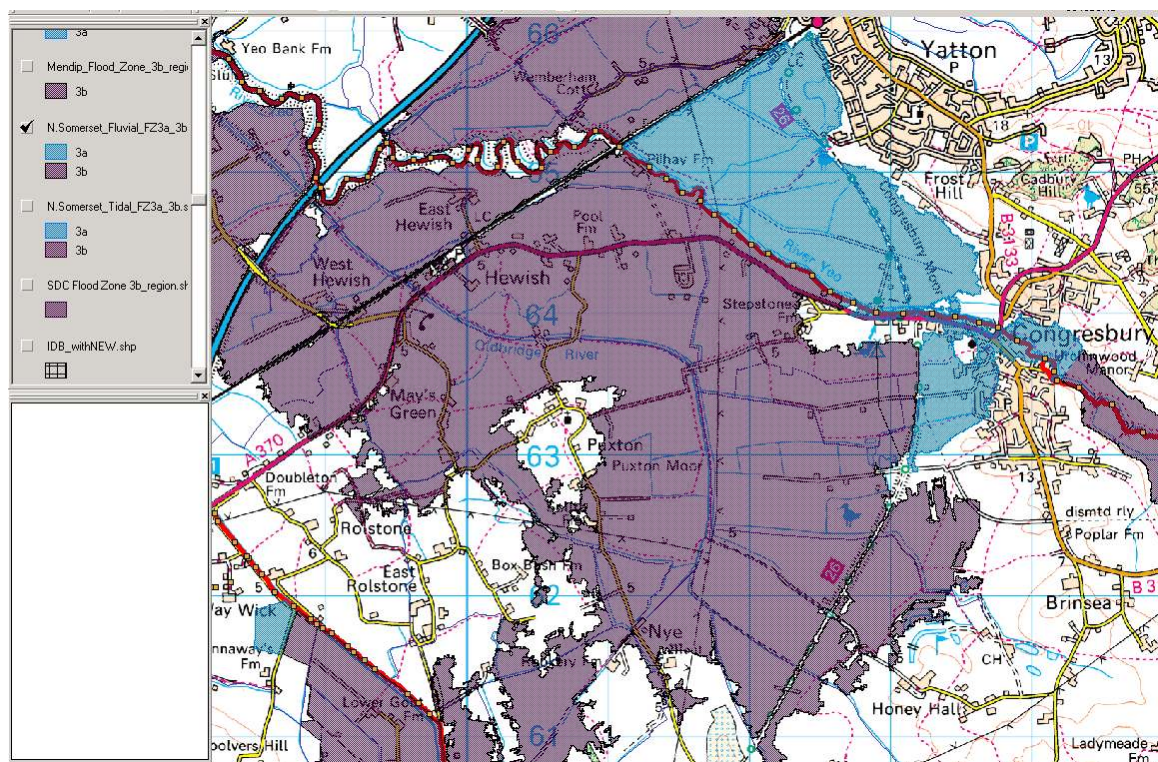
**Flood Zones Changed:** 1 in 25 year Fluvial floodplain (Flood Zone 3b)

## North Somerset Council SFRA (Level1) current fluvial outlines on the Congresbury Yeo.

**The issue:** The current Level1 SFRA flood maps identifies fluvial FZ3a (blue area) to the north and to the east of Congresbury Yeo near Congresbury. The remaining floodable areas are classed as 3b (purple areas). Following on from a recent planning application and appeals in the Hewish/Puxton area it has become apparent that NSC L1 SFRA is incorrectly showing the 3a/3b split.

We believe at the time of the SFRA being compiled our Asset standard of protection data was incorrect. **Please be aware that the overall FZ3/FZ2 fluvial and FZ3/FZ2 Tidal flood extents remains the same through this area.**

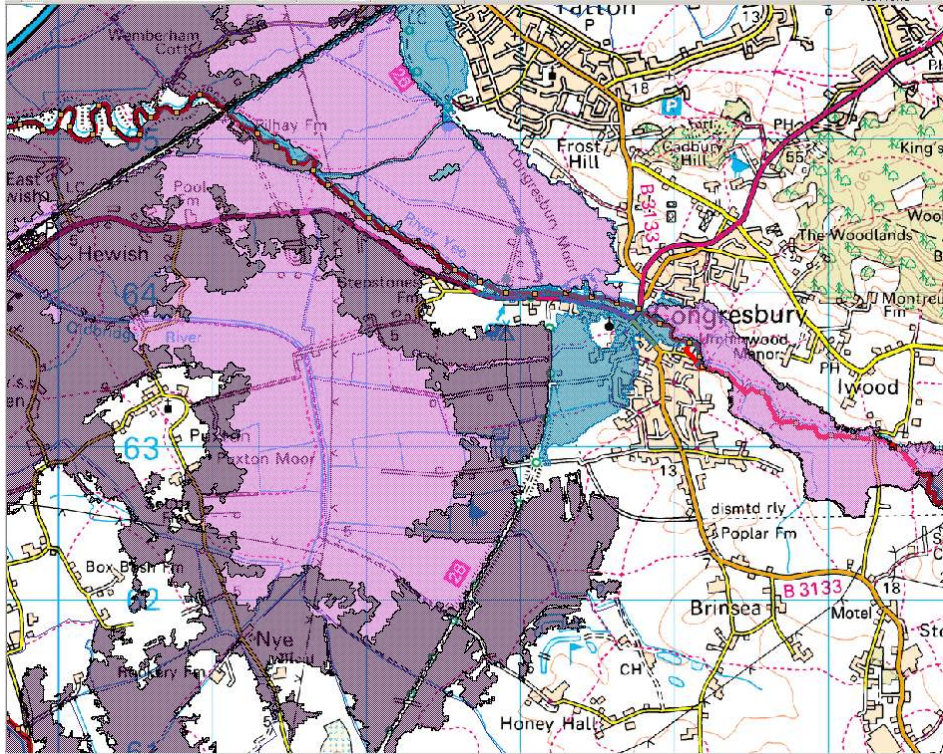
## Current Fluvial 3a/3b split for Hewish/Puxton area



## New 3b outline to incorporated into the NSC 1 SFRA

As part of a recent pre-feasibility study of the Congresbury Yeo the EA undertook some hydraulic modelling. One of the model outputs was a flood outline for the 1 in 25 year return period (pink outline). We believe that this will provide a more accurate representation of the functional floodplain (3b) for this area. The screen shot below shows the latest fluvial 3b areas along the Congresbury Yeo corridor.

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We would advise that the extent should be incorporated to the south of the railway line as the model does not extend far enough beyond that point to allow the map to be tied into the current SFRA maps. We would advise that the previous 3b areas (purple) are re-classed as 3a (blue). We can make available the GIS shapefiles for this functional floodplain.

### Planning Issues:

It is important that North Somerset Council and the EA are using the same flood plains when validating/reviewing planning applications in this area.

We would advise that North Somerset Council incorporate the new 3b outlines within their SFRA.

**Contact for further information:** Nigel Smith – Development and Flood Risk (01278 484807)

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