

## **B Detailed Summary Sheets and Mapping**

### **B.1 DA01 - Tunbridge Wells**

## Tunbridge Wells Stage 1 SWMP: Summary and Actions

### Drainage Area 01: Tunbridge Wells Town

#### Area overview

Area (km<sup>2</sup>)

Drainage assets/systems	Type	Known Issues/problems	Responsibility
Sewer networks	Sewer (combined, foul and surface water)	There are records of sewer flooding linked to Southern Water systems	Southern Water
Watercourses	Main River	Known fluvial issues associated with the Main Rivers	Environment Agency
Watercourses, drains and ditches	Non-Main River	Known fluvial issues associated with ordinary watercourses in High Brooms, Southborough and Hawkenbury.	Kent County Council and Tunbridge Wells Borough Council
Watercourses, drains and ditches	Non-Main River	No specific known problems	Upper Medway Internal Drainage Board
Watercourses, drains and ditches	Non-Main River	No specific known problems	Riparian

#### Flood risk

Receptor	Source	Pathway	Historic Evidence
<b>A: Southborough</b>	<p>Heavy rainfall resulting in surface water run off and overloaded sewers</p> <p>Surface water (blocked drains / gullies)</p> <p>Groundwater</p>	<p>London Road, Prospect Road and Speldhurst Road</p> <p>Southern Water sewers (Ashenden Walk, Holden Corner, Modest Corner and Valley View)</p> <p>Springs (within the location of Speldhurst Road)</p> <p>FMfSW predominantly follows the line of the Somerhill Stream.</p>	<p>Southern Water record flooding in 2008, 2009, 2012.</p> <p>EA explained that watercourses that drain the Tonbridge Dome are regularly polluted with foul water. The EA's Environment Management Team are aware of this issue and there may be possible funding for mitigation under the Water Framework Directive.</p> <p>At London Road, a blocked downpipe caused flooding of a cellar.</p> <p>Prospect Road was closed in the past as a result of flooding with an estimated depth of 2ft.</p> <p>Speldhurst Road is a drainage hotspot, this is because of a surcharging spring which regularly floods the road. KCC Highways plan to place a french drain at this location to alleviate excess flows.</p> <p>FMfSW follow the routes of the unnamed drains off the Tunbridge Wells dome.</p>
<b>B: High Brooms</b>	<p>Heavy rainfall resulting in surface water run off and overloaded sewers</p> <p>Surface water (blocked drains / gullies)</p> <p>Groundwater</p> <p>Fluvial</p>	<p>Southern Water sewers (Dowding Way, Lakeman Way, Lamberts Road, North Farm Lane/Road)</p> <p>Unnamed Drains, Somerhill Stream</p> <p>Lakeman Way, Newlands Road, North Farm Road, Roundabout Wood, Silverdale Road, St Michaels Road, The Fairways, Upper Grosvenor Road, Sandhurst Road and South View Road.</p> <p>FMfSW follows again the line of unnamed drains and the Somerhill Stream, there is some isolated ponding within High Brooms, the Abulance Station is potentially at risk from a flow route which follows Silverdale Road.</p>	<p>Reports of water gushing from an underground source at Clifton Road.</p> <p>Sewer flooding recorded in 2008, 2011, 2012.</p> <p>Fluvial flooding caused by lack of capacity in unnamed drains and the Somerhill Stream.</p> <p>There are events recorded on all roads identified. Regular flooding has been described on Lakemans Way, North Farm Road and Upper Grosvenor Road.</p>

## Tunbridge Wells Stage 1 SWMP: Summary and Actions

### Drainage Area 01: Tunbridge Wells Town

<p><b>C: Sherwood</b></p>	<p>Heavy rainfall resulting in surface water run off</p> <p>Surface Water with Blocked gullies/drains</p>	<p>Cornford Lane, Redleaf Close and Sandown Park</p> <p>FMfSW (deep) describes ponding at Ferndale and Greg's Wood and within the grounds of Beechwood Heart Sacred School.</p>	<p>KCC Highways was called to cleanse the gullies on Comford Road. On Redleaf Close, there were reports of a property being affected by flooding. On Sandown Park, water was reportedly squirting out of the tarmac and gathering on the road.</p> <p>FMfSW shows no risk in the historic location that has been identified.</p>
<p><b>D: Tunbridge Wells (Centre)</b></p>	<p>Heavy rainfall resulting in surface water run off and overloaded sewers</p> <p>Surface Water with Blocked gullies/drains</p> <p>Sewers</p>	<p>Ashdown Close, Berkeley Road, Camden Road, Claremont Road, Concord Close, Connaught Way, Dorking Road, John Street, London Road, Mount Ephraim, Mount Pleasant, Mount Sion Road, Prospect Road, Warwick Park, Windmill Street and Woodbury Park Road</p> <p>Southern Water sewers (Goods Station Road, Grove Hill Gardens, Lime Hill Road, Sandrock Road, Upper Cumberland Walk)</p> <p>There is isolated ponds described by the FMfSW, of note is one which appears to affect the Hospital. There is a flow route identified following the line of the railway flowing north east from Royal Victoria Place.</p>	<p>John Street and Woodbury Park Road are considered to be drainage hotspots, where regular flooding occurs.</p> <p>The remaining roads each have one recorded incident attributed to surface water or surface water from blocked drains/ gullies.</p> <p>There are recorded incidents of sewer flooding in 2010, 2011 and 2012.</p>
<p><b>E: Rusthall</b></p>	<p>Surface Water with Blocked gullies/drains</p>	<p>Cranwell Road and Rusthall Road</p> <p>FMfSW (deep) follows the line of the ordinary watercourses in the area. There is some minor ponding indicated within Rusthall.</p>	<p>Rusthall Road was flooded due to a drain being covered over by a metal plate. Water was unable to drain away. The flood extent was approximately 25ft in diameter. A jetter was required to cleanse a blocked gully at Cranwell Road.</p>
<p><b>F: Broadwater Down</b></p>	<p>Heavy rainfall resulting in surface water run off and overloaded sewers</p> <p>Surface Water with Blocked gullies/drains</p>	<p>Bayham Road, Birling Park Avenue, Birling Road, Blatchington Road, Broadwater Lane, Eridge Road, Forest Road, Rowan Tree Road and Forest Road</p> <p>Southern Water sewers (Blatchington Road, Eridge Road, Nevill Gate, Warwick Park, Willow Tree Road)</p> <p>A large flow route indicated flowing west to east along the Eridge Road and London Road (A26). There is another route described as flowing north west through Blatchington Road, parallel to Warwick Park. There is isolated ponding on Broadmead.</p>	<p>There have been incidents recorded on all roads identified as pathways. The information provided indicates that these were isolated events.</p> <p>Southern Water incidents highlight repeated incidents of sewer flooding at Warwick Park and Nevill Gate. Dates of records include 2009, 2011 and 2012.</p>
<p><b>G: Hawkenbury</b></p>	<p>Heavy rainfall resulting in surface water run off and overloaded sewers.</p> <p>Surface Water with Blocked gullies/drains</p> <p>Fluvial</p>	<p>Forest Road, Hawkenbury, Nelson Road</p> <p>Unnamed Drain</p> <p>Southern Water sewers (Delves Avenue)</p> <p>The FMfSW (deep) indicates potential for ponding on Caendish Drive, Farmcombe Road and Nelson Road.</p>	<p>Repeated flooding in 2008 at Hawkenbury. Records described this as being from fluvial and surface water sources. The remaining roads have historic events attributed to them.</p> <p>Southern Water recorded an incident in 2009.</p>



# Legend

- A** Southborough
- B** High Brooms
- C** Sherwood
- D** Tunbridge Wells (Centre)
- E** Rusthall
- F** Broadwater Down
- G** Hawkenbury
- IDB Maintained Watercourse
- Main River
- Ordinary Watercourse
- Upper Medway IDB
- Romney Marsh IDB
- Historic Flooding \***
- Surface Water
- Surface Water with blocked gullies/drains
- Sewer
- Fluvial / Sewer
- Groundwater
- Fluvial
- Tidal
- Other/ Unknown

\* Where an entire road has been highlighted in the historic layer; this does not mean that all the road has flooded in the past but rather no specific location was identified in the records received.

- Sewer Flooding Incidents\*\***
- Number of flood occurrences per postcode area**
- 1 - 3
  - 4 - 6
  - 7 - 8 <

\*\*Polygons only represent the postcode area and not the flood extent

Client:



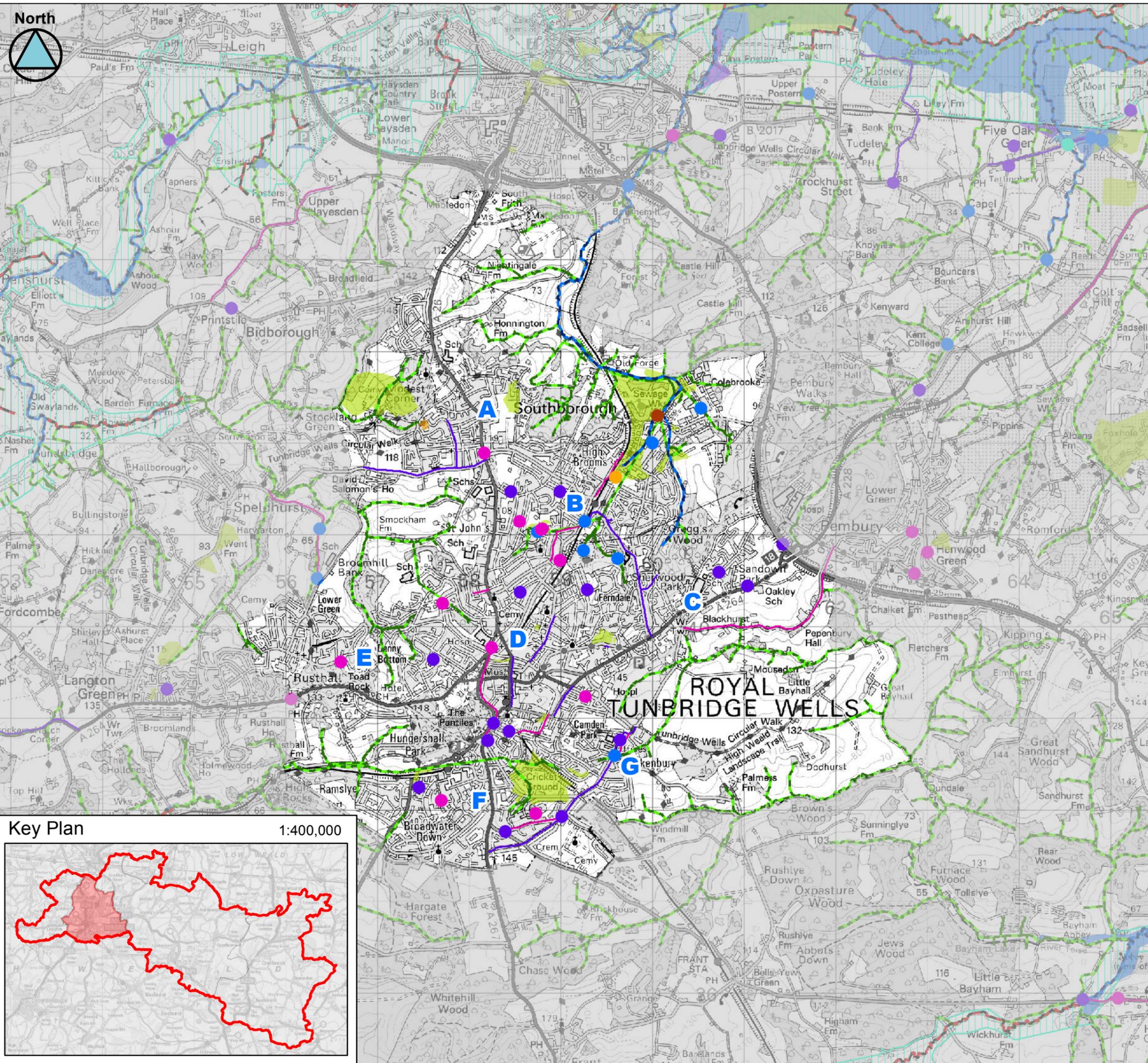
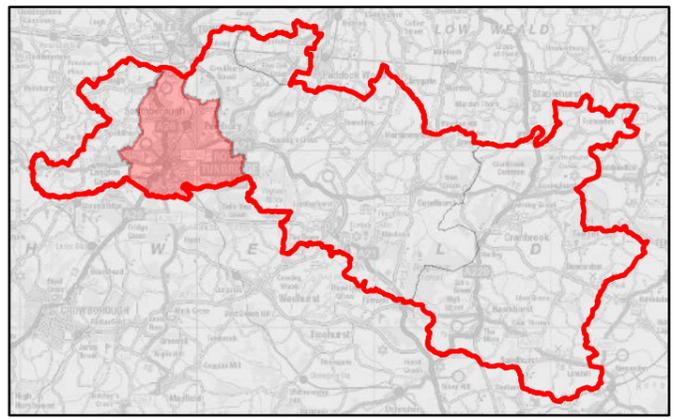
Consultant:



Partners:



## Key Plan 1:400,000



This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.  
 This map is based upon Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office (C) Crown Copyright. Unauthorised reproduction infringes Crown Copyright and may lead to prosecution or civil proceedings. 100019238. 2013

**Scale 1:40,000**

**Tunbridge Wells Stage 1 SWMP**

Historic Flooding  
Tunbridge Wells Town  
DA01