

B.2 DA02 - Tunbridge Wells Rural West

Tunbridge Wells Stage 1 SWMP: Summary and Actions

Drainage Area 02: Tunbridge Wells Rural West

Area overview

Area (km ²)	156
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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	Kent County Council and Tonbridge Wells Borough Council
Watercourses, drains and ditches	Non-Main River	No specific known problems	Upper Medway Marsh Internal Drainage Board
Watercourses, drains and ditches	Non-Main River	No specific known problems	Riparian

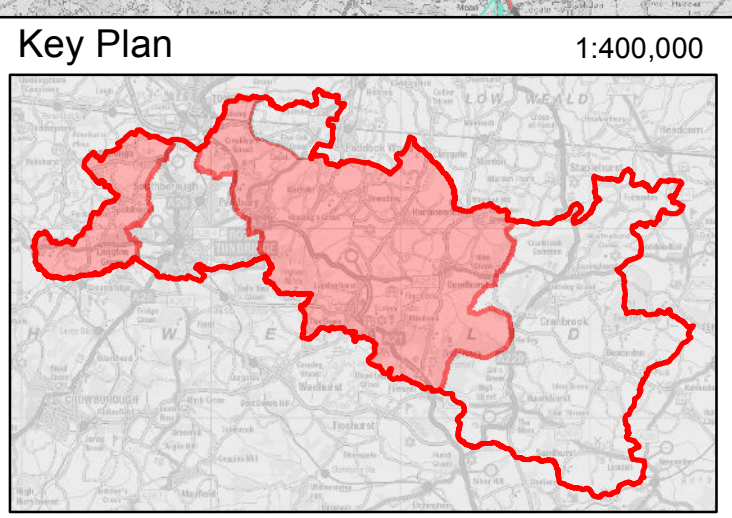
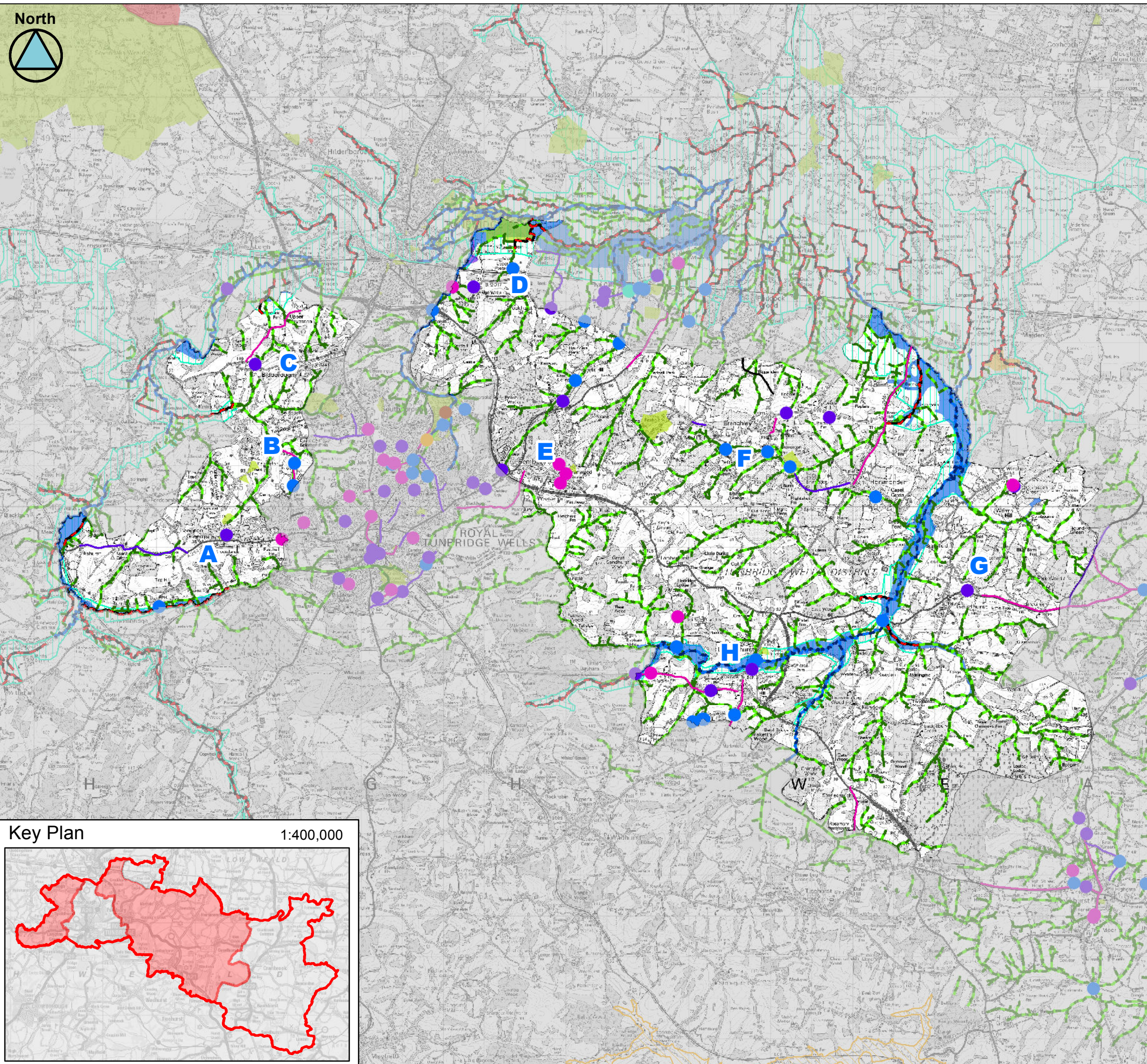
Flood risk

Receptor	Source	Pathway	Historic Evidence
A: Langton Green	Heavy rainfall resulting in surface water run off and overloaded sewers	Homewood Road and Langton Road, Langton green Sewers (Rushetts and Third Street)	Evidence of Homewood Road flooding in 2008. The back of a property on Homewood Road was flooded the garden to an estimated depth of 2 ft in 2009. Southern Water have recorded flooding in 2009 and 2012.
B: Speldhurst	Heavy rainfall resulting in overloaded sewers Surface Water with Blocked Drains/ Gullies Fluvial	Langton Road, Speldhurst and Lower Green Road Sewers (Langton Road, Speldhurst) Unnamed Drains (Lower Green Road) FMfSW (deep) indicates a flow route which follows the unnamed drain whcih flows through Speldhurst.	Lower Green Road flooded in 2009 and 2012 Southern Water reported a incident of sewer flooding at Langton Road, Speldhurst in 2011.
C: Bidborough	Heavy rainfall resulting in surface water run off Surface Water with Blocked Drains/ Gullies Fluvial	Hayesden Lane and Penshurst Road Medway	Fluvial flooding in October 2000, November 1960, September 1968 In 2012, KCC Highways were requested to cleanse gullies at Hayesden Lane and jet the lines to the next gully/centre line to ensure that the system was running. They also stated that further action such as digging off mud from tops of gullies would be required. In 2010, Penhurst Road was flooded; water was estimated to be 2 ft deep across the road.
D: Upper Postern	Heavy rainfall resulting in surface water run off Surface Water with Blocked Drains/ Gullies Fluvial	Five Oak Green Road, Tudeley Lane, Oast Park, Postern Park, Sherenden Road and The Postern Medway Unnamed Drain (Postern Park area) FMfSW (deep) indicates minor ponding in the area.	There is historic records of flooding from the Medway in 1960 and 1968. Fluvial flooding in Postern Park and Oast Park from an Unnamed Drain EA records describe flooding at The Postern, in 1958, to be largely a surface water event. Flooding, from a possible

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E: Pembury	<p>Heavy rainfall resulting in surface water run off and overloaded sewers</p> <p>Surface Water with Blocked Drains/ Gullies</p> <p>Fluvial</p>	<p>Cornford Lane, Hastings Road, Henwood Green Road, Heskett Park, Lower Green Road, Pembury Bypass and Redwings Lane.</p> <p>Unnamed watercourse (Old Mill Pembury)</p> <p>Sewers (Heskett Park)</p> <p>FMfSW (deep) shows a potential flow route originating in Lower Green, flowing north where it joins with the path of an ordinary watercourse. There are small isolated pond shown in Henwood Green.</p>	<p>All roads have incidents of flooding from 2009 to 2011, but the records collected are isolated events.</p> <p>Fluvial flooding recorded at the Old Mill Pembury</p> <p>Sewer flooding recorded in 2009 at Heskett Park</p>
F: Matfield, Brenchley, Horsmonden	<p>Heavy rainfall resulting in surface water run off and overloaded sewers</p> <p>Surface Water with Blocked Drains/ Gullies</p> <p>Fluvial</p>	<p>Brenchley Road, Broad Oak, Crook Road, Fairmans Road, Foxhole Lane, Furnace Lane, Horsmonden Road, Lamberts Place, Maidstone Road, Petteridge Lane and Watermans Lane.</p> <p>Sewers (Foxhole Lane and Horsmonden Road)</p> <p>Unnamed Drain (Fairmans Road, Lamberts Place, and Petteridge Lane)</p> <p>The FMfSW (deep) flow does not stray from the route of the ordinary watercourse within the area</p>	<p>The EA described fluvial flooding from an unnamed drain in 2000 on Fairmans Road, Lamberts Place, and Petteridge Lane.</p> <p>Southern Water records describe sewer flooding in 2009 and 2012. In 2009, Foxhole Lane was flooded by an overloaded pumping station. In 2012 hydraulic overload resulted in flooding on Horsmonden Road.</p>
G: Goudhurst, Curtisden Green	<p>Heavy rainfall resulting in surface water run off.</p> <p>Surface Water with Blocked Drains/ Gullies</p> <p>Fluvial</p>	<p>Cranbrook Road, Curtisden Green Lane, Goudhurst Road and Hope Mill Bridge</p> <p>River Teise</p> <p>Unnamed Drain</p> <p>Large areas of ponding are indicated to be affected by the FMfSW (deep) around Hope Mill Bridge and east of Bedgebury Road (B2079). Again flow routes have a tendency to follow the route of the local watercourses in the area.</p>	<p>In 2009 at Cranbrook Road there were reports of high water levels outside a property. The walls and windows of the property were drenched due to cars not slowing down when passing the property. Also in 2009, reports describe that Curtisden Green Lane and Clayhill Road were flooded.</p> <p>At Hope Mill Bridge, the River Teise flooded 2-4 properties at Goudhurst.</p>
H: Lamberhurst	<p>Heavy rainfall resulting in surface water run off</p> <p>Surface Water with Blocked Drains/ Gullies</p> <p>Fluvial</p>	<p>Clayhill Road, Furnace Lane, High Street, Hog Hole Lane, Pearse Place, The Broadway, The Slade and Whin Bridge, Frant</p> <p>River Teise (the Medway)</p>	<p>There is records of Furnace Lane, Hogs Hole Lane and the Slade flooding regularly from surface water and fluvial sources, these are described as drainage hotspots by KCC. Pearse Place is also affected by regular surface water flooding, reports describe there is overland flow along the footpath to the south. The remaining roads all have instances of flooding attributed to them but they are isolated events.</p> <p>There are records of flooding from the Teise at Lamberhurst in 1960 and 2000.</p>
I: Other	<p>Heavy rainfall resulting in surface water run off</p> <p>Surface Water with Blocked Drains/ Gullies</p> <p>Fluvial</p>	<p>Ashurst Road, Rosemary Lane and Withyham Road</p> <p>Medway</p>	<p>Records suggest that Ashurst Road and Rosemary Lane flood regularly.</p> <p>Isolated record of flooding at Withyham Road.</p> <p>Flooding from the Medway recorded in 1960 and 1968.</p>



Legend

A

B

C

D

E

F

G

H

Langton Green

Speldhurst

Bidborough

Upper Postern

Pembury

Matfield, Brenchley, Horsmonden

Goudhurst, Curtisden Green

Lamberhurst

IDB Maintained Watercourse

Main River

Ordinary Watercourse

Romney Marsh IDB

Upper Medway 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:

Kent County Council

Consultant:

JBA consulting

Partners:

UPPER MEADOW INTERNAL DRAINAGE BOARD

Tunbridge Wells Borough Council

ROMNEY MARSH INTERNAL DRAINAGE BOARD

Environment Agency

Southern Water

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Scale 1:90,000

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Historic Flooding

Tunbridge Wells Rural West

DA02