

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

### **B.1 DA01 - Tonbridge and Malling Rural North**

## Tonbridge and Malling Stage 1 SWMP: Summary and Actions

### Drainage Area 01: Tonbridge and Malling Rural North

#### Area overview

Area (km <sup>2</sup> )	47.3
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Drainage assets/systems	Type	Known Issues/problems	Responsibility
Sewer networks	Sewer (combined, foul and surface water)	There is one record in Burham linked to Southern Water systems	Southern Water and Thames Water
Watercourses	Main River	Known fluvial issues associated with the Medway	Environment Agency
Watercourses, drains and ditches	Non-Main River	Known fluvial issues associated with ordinary watercourses in the of Holborough and Pratling Street	Kent County Council and Tonbridge and Malling Borough Council
Watercourses, drains and ditches	Non-Main River	No specific known problems	Lower 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: Pease Hill</b>	Heavy rainfall resulting in surface water run off  Surface water (blocked drains / gullies)	Pease Hill	Historic records from KCC Highways suggest this is a drainage hotspot with regular issues. There was also problems in 2012 with regards to blocked gullies.  FMfSW (deep) shows no risk in the historic location that has been identified, although a flow path across the road in this location is shown by the FMfSW 200yr (shallow).
<b>B: Hatham Green Hill (Stansted C of E Primary School)</b>	Heavy rainfall resulting in pond overflowing	Pond overflowing banks, with pathway being localised flow route into adjacent property	Highlighted by KCC as being a drainage hotspot with regular flooding to a property as a result of a pond reaching capacity and overflowing.  FMfSW (deep) indicates a flow route from north east to south west across Hatham Green Lane in this location.
<b>C: Labour-in-Vain</b>	Heavy rainfall resulting in surface water run off	Labour-in-Vain Road	Regular historic records of flooding along Labour-in-Vain Road, as well as flooding in 2008 along Wrotham Hill Road and A20. Latter considered to be one-off incidences.  FMfSW shows no risk in the historic location that has been identified.
<b>D: Wrotham</b>	Heavy rainfall resulting in surface water run off	Bull Lane	Regular historic records of flooding along Bull Lane.  FMfSW shows no risk in the historic location that has been identified.
<b>E: Fairseat</b>	Heavy rainfall resulting in surface water run off	Platt House Lane	Regular flooding reported resulting in large area of ponded water, thought to be a result of fractured pipes.  FMfSW shows no risk in the historic location that has been identified.

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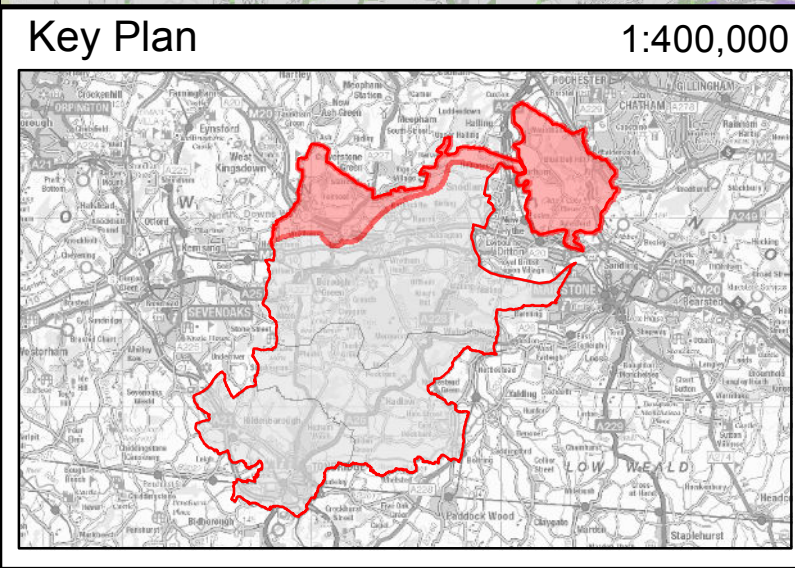
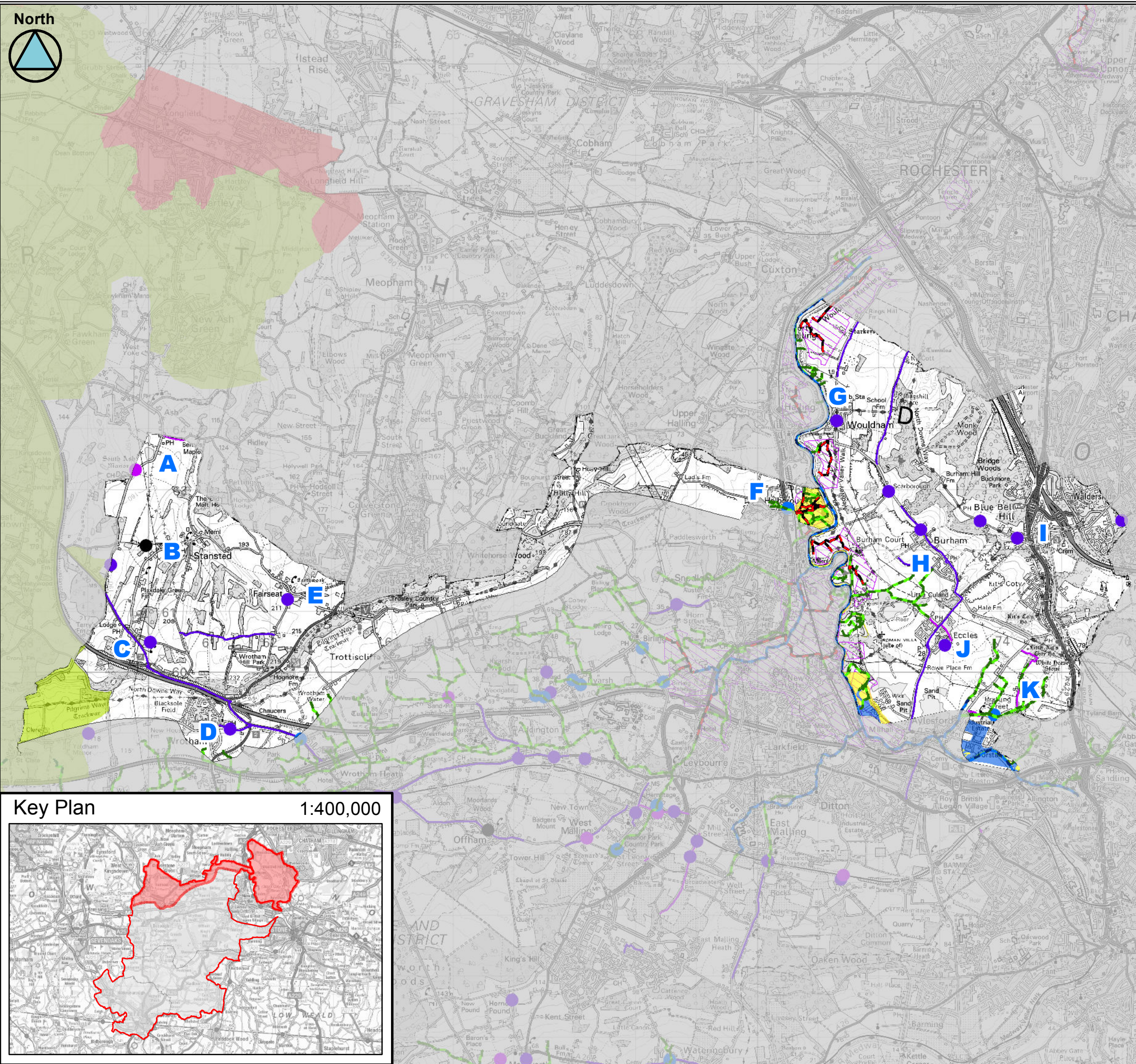
<b>F: Holborough</b>	Fluvial	<p>Unnamed ordinary watercourse flowing through Holborough</p> <p>Surface water pathways follow course of the watercourse and pond around the Mill House and the East of the A228 (indicated by FMfSW only)</p>	<p>Environment Agency records suggest regular flooding in this location, which is linked to the ordinary watercourse (note these are believed to be older records of flooding).</p> <p>FMfSW (deep) indicates this as an area potentially at risk from surface water flooding.</p>
<b>G: Wouldham</b>	Heavy rainfall resulting in surface water run off	<p>High Street and localised flow routes around an individual property</p> <p>Low spots off Rectory Close, Meadow Way, Nelson Road and High Street (indicated by FMfSW (deep) only)</p>	<p>Records suggest regular ponding of surface water causing external flooding problems, resulting in a property being surrounded by water.</p> <p>FMfSW (deep) does not show any localised ponding in this exact area, although there are other areas across Wouldham affected by FMfSW (30yr (deep)). However, FMfSW (200yr (deep)) does indicate potential surface water problems in this area.</p>
<b>H: Burham (Burham C Of E Primary School)</b>	<p>Heavy rainfall resulting in surface water run off and overloaded sewers</p> <p>Surface water (blocked drains / gullies)</p>	<p>Southern Water sewers off Rochester Road between Downs View and Church Street</p> <p>Rochester Road</p> <p>Scarborough Lane (Scarborough, north west of Burham)</p> <p>Low spots off Bell and Whitehouse Crescent, and Church Street (indicated by FMfSW (deep) only)</p>	<p>Historic records from KCC Highways and Tonbridge and Malling Borough Council suggest main issues in Burham are along the Rochester Road, and flooding of properties has been indicated.</p> <p>Southern Water have reported a one-off incident in 2008.</p> <p>FMfSW (deep) indicates localised ponding only as opposed to clear pathways/flow routes.</p>
<b>I: Blue Bell Hill</b>	Heavy rainfall resulting in surface water run off	Blue Bell Hill, Common Road and Marlow Copse	<p>Historic records are from KCC are from 2009, the EA have described that this occurs regularly.</p> <p>The FMfSW (deep) does not suggest surface water risk in these locations, although there are other locations across the area highlighted as potentially being at risk.</p>
<b>J: Eccles</b>	<p>Heavy rainfall resulting in surface water run off</p> <p>Surface water (blocked drains / gullies)</p>	Eccles Row, Mackenders Lane and Mackenders Close	<p>Historic records in Eccles Row and Mackenders Lane were reported in 2012 as a result of blocked drains and gullies, and KCC cleaned and jetted gullies. Flooding in Mackenders Close is of a more regular nature from surface water flooding.</p> <p>FMfSW (deep) indicates risk in some of these areas.</p>
<b>K: Pratling Street</b>	<p>Heavy rainfall resulting in surface water run off</p> <p>Surface water (blocked drains / gullies)</p> <p>Fluvial</p>	<p>Pratling Street</p> <p>Unnamed watercourse</p>	<p>Regular historic records identified by both KCC Highways and the Environment Agency (note: EA records as old). The predominant source of flooding is fluvial.</p> <p>The FMfSW indicates this area as a potential flow path for surface water.</p>
<b>L: Other (numerous isolated incidences across the drainage area)</b>	<p>Heavy rainfall resulting in surface water run off</p> <p>Surface water (blocked drains / gullies)</p> <p>Fluvial</p> <p>Tidal</p>	<p>Medway</p> <p>Ash Road</p>	<p>Fluvial and tidal records are from Main River flooding from the Medway and all aside from the 2000 event date back to pre 1965.</p> <p>Surface water records reported as one-off record in 2009 along Ash Road (along western boundary of DA01)</p>

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Drainage Area 01: Tonbridge and Malling Rural North

Summary of Location-specific Actions

Area of benefit	Location of action	Action	Action owner	Priority





### Legend

<b>A</b>	Pease Hill	<b>G</b>	Wouldham
<b>B</b>	Hatham Green Lane	<b>H</b>	Burham
<b>C</b>	Labour-in-Vain	<b>I</b>	Blue Bell Hill
<b>D</b>	Wrotham	<b>J</b>	Eccles
<b>E</b>	Fairseat	<b>K</b>	Pratling Street
<b>F</b>	Holborough		

- Main Rivers
- IDB Maintained Watercourse
- Ordinary Watercourse
- Lower Medway IDB

#### Historic Flooding \*

- Surface Water
- Surface Water with blocked gullies/drains
- Sewer
- Groundwater
- Fluvial
- Other/ Unknown
- Tidal

\* 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:** Lower Medway Internal Drainage Board, Thames Water, Tonbridge & Malling Borough Council, Environment Agency, Southern Water

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**Scale 1:60,000**

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**Historic Flooding**

**Tonbridge and Malling Rural North DA01**