

B.3 DA03 - Tonbridge and Malling Rural South

Tonbridge and Malling Stage 1 SWMP: Summary and Actions

Drainage Area 03: Tonbridge and Malling Rural South

Area overview

Area (km ²)	54.7
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Drainage assets/systems	Type	Known Issues/problems	Responsibility
Sewer networks	Sewer (foul and surface water)	There are issues linked with Southern Water systems.	Southern Water
Watercourses	Main River	Known fluvial issues associated with the River Bourne, Coult Stream and River Medway.	Environment Agency
Watercourses, drains and ditches	Non-Main River	Known fluvial issues associated with ordinary watercourses in Dunk's Green, Hadlow, Hartlake, Golden Green and Mount Pleasant.	Kent County Council and Tonbridge and Malling Borough Council
Watercourses, drains and ditches	Non-Main River	Known fluvial issues associated with IDB Drains	Upper Medway Internal Drainage Board
Watercourses, drains and ditches	Non-Main River	No specific known problems	Riparian

Flood risk

Receptor	Source	Pathway	Historic Evidence
A: Plaxtol Spoute and Dunk's Green	Heavy rainfall resulting in surface water run off and overloaded sewers Fluvial	Southern Water sewers around Brook and Allens Lanes Long Mill Lane, Hamptons Road, Roughway Lane River Bourne	Southern Water have reported a one-off incident in 2011 linked to an overloaded pumping station. Long Mill Lane has been highlighted as a drainage hotspot due to repeated surface water flooding. Note that fluvial flooding along Hamptons Road is a result of flooding from Main River (River Bourne). Roughway Lane also floods regularly due to flooding from the River Bourne. Main River flooding also dates back to 1960. FMfSW (deep) follows the course of the River Bourne only.
B: West Peckham	Heavy rainfall resulting in surface water run off Surface water (blocked drains / gullies)	Mereworth Road West Peckham	Historic record in 2012, thought to be one off incident and gullies were cleaned at the time (Mereworth Road). EA confirmed regular records of flooding at West Peckham. FMfSW (deep) does not show any areas for concern.
C: Mereworth	Heavy rainfall resulting in surface water run off Surface water (blocked drains / gullies) Fluvial	Tonbridge Road, Mereworth Crossroads and The Street	Fluvial and surface water records of flooding, of note is the issue along The Street FMfSW (deep) shows an area of ponding in the location highlighted as an issue on The Street, other than this, FMfSW (deep) pathways tend to follow course of the Swanton Stream in this location.

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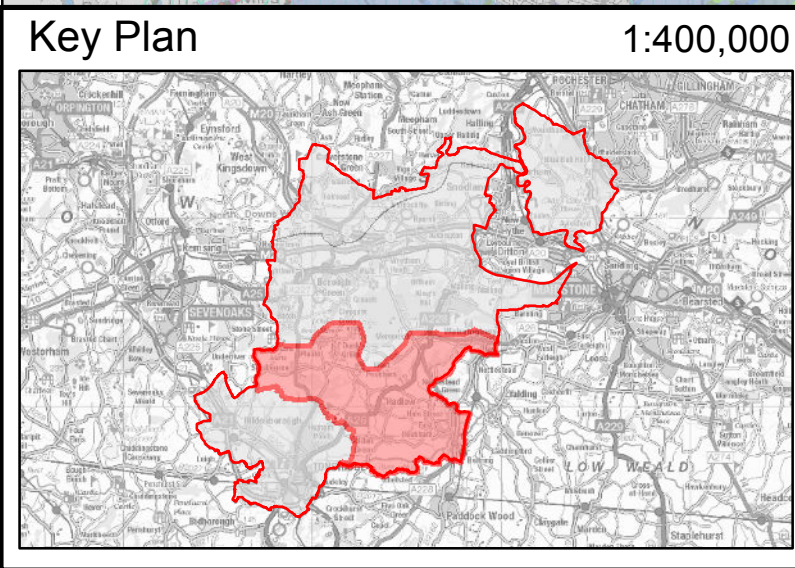
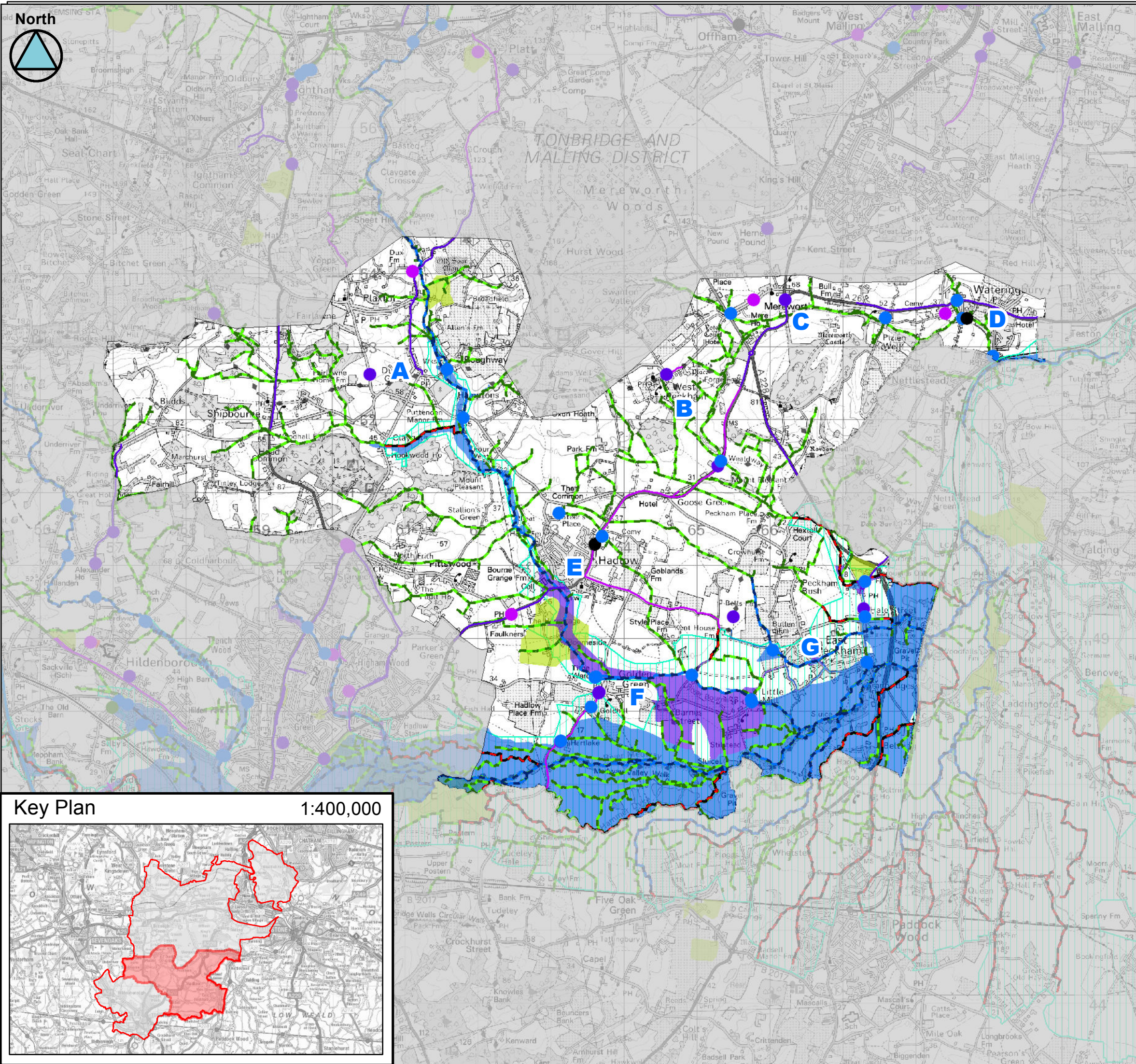
D: Waterringbury	<p>Heavy rainfall resulting in surface water run off</p> <p>Surface water (blocked drains / gullies)</p> <p>Fluvial</p>	<p>Pizien Well, Old Road, Tunbridge Road, Mill Road, Bow Road</p> <p>Unnamed watercourses (Bow Road and Mill Lane) and River Medway</p>	<p>Historical records of flooding at Pizien Well and Bow Road are believed to have affected properties - note that the FMfSW (deep) follows the course of the local watercourses in these locations. Flooding in Old and Tunbridge Roads (2008, 2010) were linked to blocked drains / gullies and are believed to be one-off incidences. Flooding (due to debris accumulation on sluice) regularly affects Mill Road and properties.</p> <p>Fluvial (Main River) records are from flooding from the Medway and all aside from the 2000 event date back to pre 1968.</p>
E: Hadlow	<p>Heavy rainfall resulting in surface water run off and overloaded sewers</p> <p>Surface water (blocked drains / gullies)</p> <p>Fluvial</p>	<p>Southern Water sewers (South of Hadlow off High Street / Blackman's Lane)</p> <p>Tonbridge Road, Maidstone Road, Steers Place, Court Lane</p> <p>River Bourne (just north of Hadlow), unnamed watercourses (one believed to be Palmers Brook)</p>	<p>Southern Water have reported a one-off incident in 2010.</p> <p>Surface water flooding reported along Tonbridge Road (2009-2010), and fluvial flooding from Palmers Brook is recorded as flooding and affecting the Maidstone Road and properties. Maidstone Road and Court Lane also reported as being flooded from surface water in the Hadlow area due to blocked gullies and drains (2012). Regular flooding at Steers Place is recorded and is linked to ditch maintenance. Some EA records of surface water / drainage problems dating back to 1958.</p> <p>Main River flooding dates back to 1960.</p> <p>Aside from picking up the flow route of the River Bourne, the FMfSW (deep) also identifies the Maidstone Road as a potential flow route for surface water.</p>
F: Golden Green	<p>Heavy rainfall resulting in surface water run off</p> <p>Surface water (blocked drains / gullies)</p> <p>Fluvial</p>	<p>Hartlake Road, Pierce Mill Lane, Victoria Road and Hadlow Road</p> <p>Unnamed watercourses and River Bourne</p>	<p>Numerous reports of fluvial and surface water issues recorded along Hartlake Road, which has been identified as a drainage hotspot. Flooding to other roads due to flooding from Main River.</p> <p>FMfSW does not pick up any key areas as being potentially at risk from surface water.</p>
G: East Peckham (and surrounding area)	<p>Heavy rainfall resulting in surface water run off and overloaded sewers</p> <p>Fluvial</p>	<p>Southern Water sewers (East Peckham, north of Hale Street between Seven Mile Lane and Maidstone Road)</p> <p>Maidstone Road, Seven Mile Lane, Hale Street, Hatches Lane</p> <p>Hale Street, Old Road, Snoll Hatch Road, Attested Road (all pathways identified by FMfSW, deep)</p> <p>Coult Stream, River Bourne, Medway</p>	<p>Southern Water have reported a one-off incident in 2009.</p> <p>2009 reported surface water flooding reported along Maidstone Road and Seven Mile Lane (same location as Southern Water record). A surface water incident was reported in 2010 along Hale Street and records suggest regular fluvial flooding from the Coult Stream dating as far back as 1968. Reports of surface and fluvial flooding along Hatches Lane.</p> <p>Fluvial (Main River) records are from flooding from the Medway and all aside from the 2000 event date back to pre 1968.</p>
H: Other (isolated incidences across the drainage area)	<p>Heavy rainfall resulting in surface water run off</p> <p>Fluvial</p>	<p>Maidstone Road, Ightham Road and School Lane</p>	<p>Historic records are noted in 2009, with Maidstone Road highlighted as flooding results in road closures.</p>

Summary of Location-specific Actions

Area of benefit	Location of action	Action	Action owner	Priority
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Legend

A

B

C

D

E

F

G

Plaxtol Spoute & Dunk's Green

West Peckham

Mereworth

Watringbury

Hadlow

Golden Green

East Peckham (and surrounding area)

Main Rivers

IDB Maintained Watercourse

Ordinary Watercourse

Upper Medway IDB

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.

Historic Flooding *

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:

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Scale 1:50,000

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Historic Flooding

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