

B.4 DA04 Maidstone Rural East

Maidstone Stage 1 SWMP : Summary Sheet

Drainage Area 04 Maidstone Rural East

Area overview

Area (km²) 108

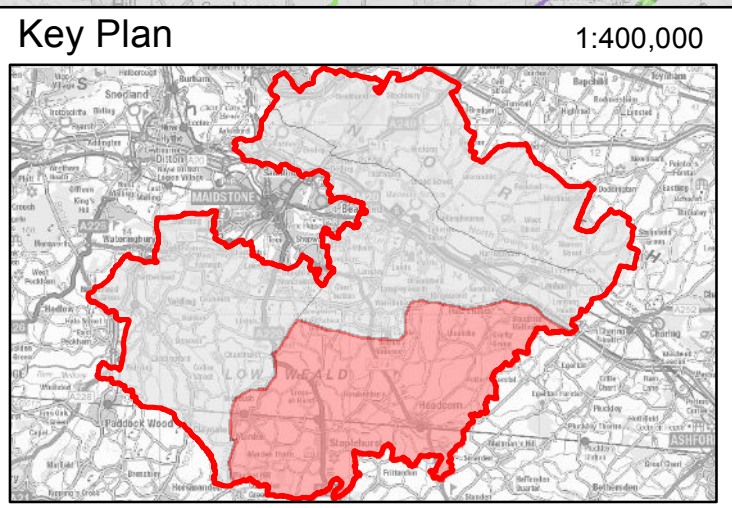
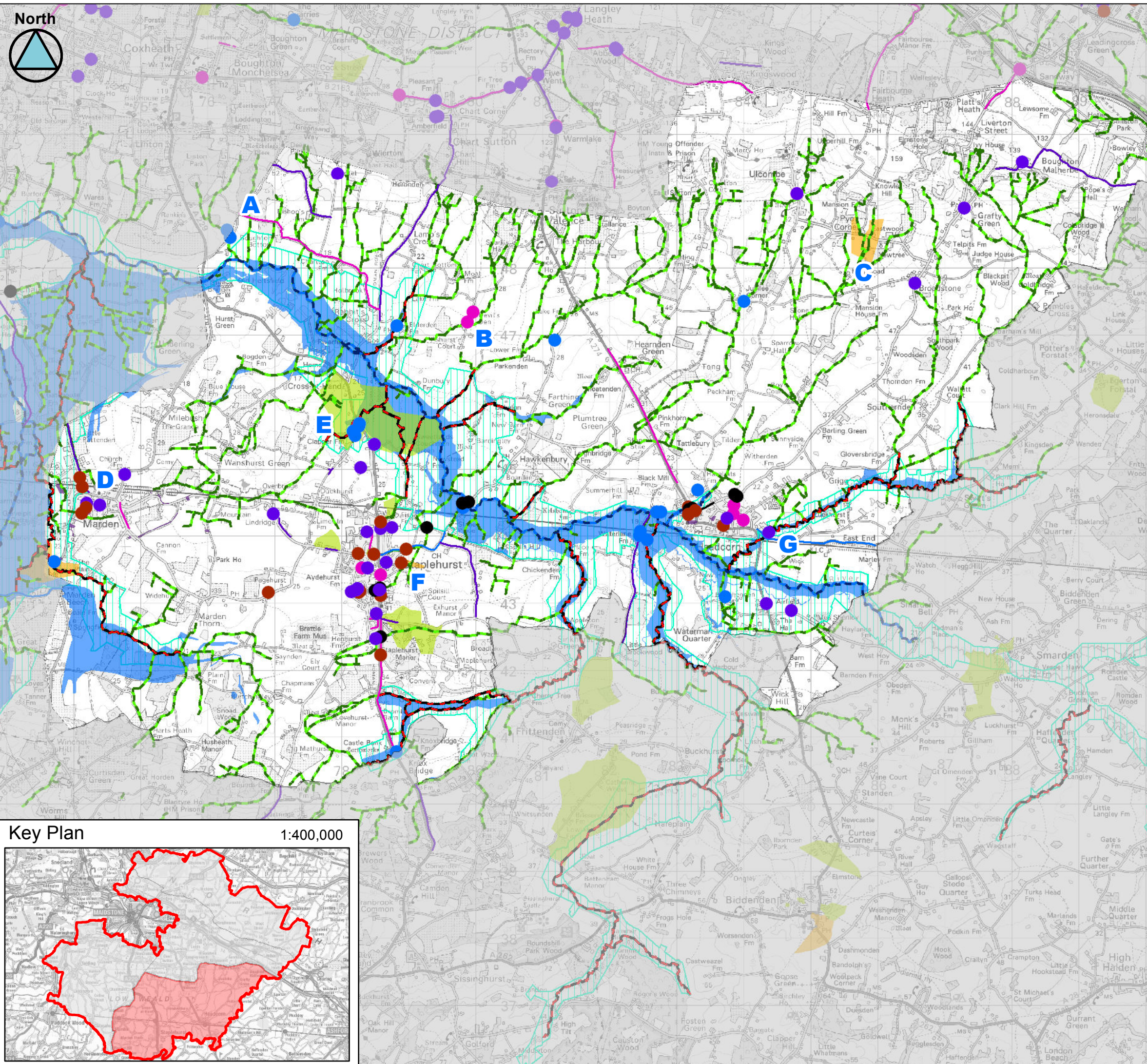
Drainage assets/systems	Type	Known Issues/problems	Responsibility
Sewer Network	Sewer (foul and surface water)	There are issues linked with Southern Water Sewers	Southern Water
Watercourses	Main River	Known fluvial issues with the River Medway and River Beult	Environment Agency
Watercourses, drains and ditches	Non- Main River	Known fluvial issues associated with the ordinary watercourse	Kent County Council and Maidstone Borough Council
Watercourses, drains and ditches	Non- Main River	No specific known problems	Upper Medway IDB
Watercourses, drains and ditches	Non- Main River	No specific known problems	Riparian

Flood risk

Receptor	Source	Pathway	Historic Evidence
A: Boughton Monchelsea	Heavy rainfall resulting in surface water run off Surface Water with Blocked Drains/ Gullies Fluvial	Lower Farm Road, Peens Lane, Stilebridge Lane, and Wierton Hill River Beult and Medway There is no significant flow routes identified here.	Fluvial flooding was recorded in 1960 from the River Medway and the River Beult. Regular surface water flooding recorded at Wierton Hill and Peens Lane Lower Farm Road was cleared of flood water and its gullies were cleansed in 2012.
B: Devil's Den	Surface Water with Blocked Drains/ Gullies Fluvial	River Beult Babylon Lane, Forsham Lane and New Barn Road FMfSW (deep) indicated that the surface water flow routes follow the path of exisiting watercourses.	River Beult flooded in Autumn 2000 Forsham Road was flooded due to blocked drains. Water entered a nearby garden from overflowing ditches. Records show that this happens quite frequently at this site. The last dated event was in 2011. A ditch at Babylon Lane was blocked and the drain under the road was believed to be blocked. Water overflowed into a garden. Isolated incident on New Barn Road in 2009.
C: Ulcombe and Boughton Malherbe	Heavy rainfall resulting in surface water run off and overloaded pumping station Surface Water with Blocked Drains/ Gullies Fluvial	Eastwood Road, Lenham Road, Stickfast Lane and The Street Unnamed Drain (Stickfast Lane) Sewer (Eastwood Road) FMfSW (deep) follows the line of the watercourses in the area.	Southern Water records report an incident of an overloaded pumping station in 2009. Records decrive an ongoing problem with surface water gullies surcharging on The Street. In 2010, on Lenham Road KCC was requested to provide flood boards at this location as the drainage team were unable to remove floodwater or cleanse culverts as the ditches were full.

<p>D: Marden</p>	<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>Albion Road, Copper Lane, Goudhurst Road, Howland Road, Maidstone Road, Maynards, Meades Close, Pattenden Lane, Sovereigns Way, The Cockpit, Thorn Road and The Plain</p> <p>Sewer (Goudhurst Road, Maynards, Pattenden Lane, Sovereigns Way and The Cockpit)</p> <p>Unnamed Watercourse (The Plain)</p> <p>Flow routes highlighted in the FMfSW follow the watercourses.</p>	<p>Records describe sewer flooding at Goudhurst Road, Maynards, Pattenden Lane, Pattenden Lane, Sovereigns Way and The Cockpit. The most recent was reported by Southern Water at Goudhurst Road in 2012.</p> <p>Goudhurst Road and Thorn Road is described as regular flooding from surface water caused by heavy rainfall and poor drainage. In general MBC describes Marden as a flooding hotspot due to local topography.</p> <p>Records show that Pattenden Lane suffers from surface water flooding due to surface water being unable to discharge to the watercourse and the presence of hard standing.</p> <p>An unnamed watercourse flooded</p>
<p>E: Clapper Farm</p>	<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>Abbotsleigh, Clapper Lane, Grave Lane, Couchman Green Lane, Little Rabbits Cross and Maidstone Road</p> <p>Unnamed Watercourses (Little Rabbits Cross)</p> <p>IDB Drain No 16 (Clappers Lane)</p> <p>Sewers (Clapper Lane, Couchman Green Lane and Maidstone Road)</p> <p>Flow routes highlighted in the FMfSW follow the watercourses.</p>	<p>Records of flooding describe various sources of flooding on Clappers Lane. Flooding in the past has been attributed to sewers, fluvial and surface water. According to MBC there have been incidents of surface water flooding at this location due to blocked drainage ditches which has caused flooding on the highway.</p> <p>Couchman Green has also been described as affected by flooding from sewers and surface water flooding.</p> <p>At Little Rabbits Cross, the EA described that KCC highways completed culvert repairs in 2012, there were some issues with high invert levels but the EA are in consultation with KCC highways to alleviate this problem.</p> <p>Southern Water describe incidents on Couchman Green (2010), Maidstone Road (2009) and Clappers (2009)</p>
<p>F:Staplehurst</p>	<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>Bathurst Road, Chapel Lane, Church Green, Corner Farm Road, Cornforth Close, Cradducks Lane, Cranbrook Road, Fir Tree Close, Fishers Road, Fletcher Road, Frittenden Road, Greenhill, Hawkenbury Road, Headcorn Road, High Street, Iden Crescent, Knoxbridge, Marden Road, Marian Square, Newlyn Drive, Offen's Drive, Pinnock Lane, Station Road, Surrenden Road, Sweetlands Lane, Usborne Close and Winchs Garth</p> <p>Unnamed Drain (Hawkenbury Road, Headcorn Road and Marden Road)</p> <p>Sewer (Bathurst Road, Corner Farm Road, Cranbrook Road, Fir Tree Close, Fishers Road, Frittenden Road, Headcorn Road, Marden Road, Marian Square, Offen's Drive and Winchs Garth)</p> <p>FMfSW highlights ponding at Bathurst Close, Couchman Green Lane, Market Street and the Quarter</p>	<p>Records describe fluvial flooding at Hawkenbury Road, Headcorn Road and Knoxbridge.</p> <p>Sewer flooding was reported in the MBC SFRA at Bathurst Road, Cranbrook Road, Fir Tree Close, Fishers Road, Headcorn Road and Offen's Drive. Southern water reported incidents at Winchs Garth (2009), Marden Road (2009), Frittenden Road (2008), Corner Farm Road (2010) and Marian Square(2010)</p> <p>Regular surface water flooding was described at the following locations due to inadequate drainage and excessive rainfall Bathurst Road / Offen's Drive, Chapel Lane, Church Green, Corner Farm Road, Cornforth Close, Fletcher Road, Greenhill, High Street, Newlyn Drive and Pinnock Lane.</p> <p>Records describe that there are regular incidents of flooding at Station Road and on the High Street due to regular blockages in the drainage system.</p>

<p>G: Headcorn (including Headcorn Primary School)</p>	<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>Burst Water Main</p>	<p>Biddenden Road, Bletchenden, Kings Road, Knaves Acre, Lenham Road, Maidstone Road, Mill Bank, Moat Road, New House Lane, North Street, Oak Lane, Shenley Road, Station Road and Water Lane</p> <p>Sewers (Kings Road, Mill Bank, Moat Road and Station Road)</p> <p>Hammer Stream</p> <p>Unnamed Drain (Bletchenden and Headcorn)</p> <p>IDB Drains (Headcorn)</p> <p>FMfSW (deep) follows the exisiting watercourse, the outline extends at Hoggs Bridge to include part of the grounds of the Headcorn Primary School. Ponding is indicated at Rushford Close, Biddenden Lane and Oak Lane.</p>	<p>EA and MBC have commented that there is a combination of issues in Headcorn due to insuffcient culvert capacity, surface water and sewer problems which have caused flooding in the past. Surface water flooding in this area is probably a result of poor maintenance of drains and ditches.</p> <p>Fluvial flooding described at Bletchenden from the Hammer Stream. Fluvial flooding was also recorded on Moat Road, New House Lane and Smarden Road. KCC recorded repeated flooding in 2009 and again in 2010 on Water Lane.</p> <p>Records show that there was a burst water main on Kings Road in 2009. MBC SFRA describes sewer flooding at Kings Road, Mill Bank and Station Road. Southern Water provided records of flooding at Moat Road in 2012. There are repeated records of flooding on Oak Lane and Water Lane. The remaining roads references have isolated records attributed to them relating to surface water flooding.</p>
<p>H:Other</p>		<p>Chart Hill Road, Copper Lane, Howland Road, Park Road, Thorn Road and Tudorhurst</p>	<p>Regular flooding at these locations due to excess surface water, with the exception of Tudohurst which was as a result of sewer flooding.</p>



Legend

A Boughton Monchelsea

B Devil's Den

C Ulcombe and Boughton Malherbe

D Marden

E Clapper Farm

F Staplehurst

G Headcorn

Main Rivers

IDB Maintained Watercourse

Ordinary Watercourses

Upper Medway IDB

Historic Flooding*

Surface Water

Surface Water with blocked drain/gully

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:

Consultant:

Partners:

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Scale 1:55,000

Maidstone Stage 1 SWMP

Historical Flooding

Maidstone Rural South East

DA04