

B.3 DA03 Ashford Rural Mid

Ashford Stage 1 SWMP : Summary and Actions

Drainage Area 03 Ashford Rural Mid

Area overview

Area (km²) 240.6

Drainage assets/systems	Type	Known Issues/problems	Responsibility
Sewer Network	Sewer (foul and surface water)	There are issues linked with Southern Water systems.	Southern Water
Watercourses	Main River	Known fluvial issues associated with the Great Stour, River Beult, Ruckinge Dyke and the East Stour	Environment Agency
Watercourses, drains and ditches	Non-Main River	Known fluvial issues associated with ordinary watercourses at the Pinnocks, Pluckley, Biddeden Green, Smarden and Smarden Bell	Kent County Council and Ashford Borough Council
Watercourses, drains and ditches	Non-Main River	Known fluvial issues associated with IDB Drains (possibly related to issues with Main Rivers)	River Stour (Kent) IDB and Romney Marsh IDB
Watercourses, drains and ditches	Non-Main River	No specific known problems	Riparian

Flood risk

Receptor	Source	Pathway	Historic Evidence
A: Pluckley and Little Chart	<p>Heavy rainfall resulting in surface water run off and overloaded sewers.</p> <p>Fluvial</p> <p>Surface water (blocked drains/gullies)</p>	<p>Green Hill Lane and Sparrow Hatch Lane, Pluckley</p> <p>Sewers</p> <p>Unnamed Drains</p> <p>Great Stour</p> <p>FMfSW (deep) generally follows the route of an ordinary watercourse.</p>	<p>Records describe the flooding at Green Hill Lane as an ongoing issue, with the latest recorded event in 2009. At Sparrow Hatch Lane a property was affected by an overloaded ditch.</p> <p>There are records of sewers flooding due to hydraulic overload at Forge Lane (2010) and an overloaded pumping station at Lambden Road.</p> <p>In 2012 there were issues identified with an ordinary watercourse at Pluckley.</p>
B: Hothfield	<p>Heavy rainfall resulting in surface water run off.</p> <p>Fluvial</p> <p>Surface water (blocked drains/gullies)</p>	<p>Bears Lane and School Road</p> <p>Great Stour</p> <p>Unnamed Drain</p> <p>IDB Drain (Pig Brook)</p> <p>FMfSW (deep) predominantly follow the line of watercourses. A flow pathway has also been indicated near Hothfield from Waterfall Road to the IDB Drain, Pig Brook, via rural land.</p>	<p>Isolated incidents of surface water flooding on Bears Lane and School Road (2008-2009).</p> <p>FMfSW (deep) shows risk at Bears Lane but not at School Road.</p>

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<p>C: Smarden</p>	<p>Heavy rainfall resulting in surface water run off and overloaded sewers.</p> <p>Fluvial</p> <p>Surface water (blocked drains/ gullies)</p>	<p>Pluckley Road</p> <p>Unnamed watercourses</p> <p>River Beult</p> <p>Sewers</p>	<p>Several incidents of fluvial flooding from ordinary watercourses.</p> <p>Two records of flooding on Pluckley Road, the last recorded date was 2009. Properties were recorded as being affected.</p> <p>Sewer flooding recorded in 2009 due to overloaded pumping stations and hydraulic overload.</p>
<p>D: Bethersden</p>	<p>Heavy rainfall resulting in surface water run off and overloaded sewers.</p> <p>Fluvial</p> <p>Surface water (blocked drains/ gullies)</p>	<p>Ashford Road, Chester Avenue, Etchden Road, Brissenden Green Lane, Forgefield, Fridd Lane and Orchard Field</p> <p>Sewers</p> <p>Unnamed Drain</p> <p>IDB Drain</p> <p>FMfSW (deep) follows the path of the watercourse. There are some isolated patches of flooding indicated in the area.</p>	<p>There are numerous incidents recorded from 2008 - 2012 of surface water flooding. There are several incidents recorded on Ashford Road in 2009. Chester Avenue is described as a drainage hotspot. At Brissenden Lane there are incidents of flooding the most recent recorded in 2012. Etchden Road, Fridd Lane and Forgefield floodwaters threatened properties.</p> <p>Incidents of sewer flooding recorded on Ashford Road (2008, 2009)</p> <p>The FMfSW does not indicate a significant risk in this area.</p>
<p>E: Biddenden</p>	<p>Heavy rainfall resulting in surface water run off and overloaded sewers.</p> <p>Fluvial</p> <p>Surface water (blocked drains/ gullies)</p>	<p>IDB Drain (Hammer Stream)</p> <p>Unnamed Watercourse</p> <p>Goddards Green Road, Hareplain Road (Three Chimneys), Tenterden Road, the Weavers (Biddenden), Benenden Road, Cranbrook Road, Glebelands (Biddenden)</p> <p>Sewers</p> <p>FMfSW follow the line of the existing watercourses, with some areas of isolated ponding</p>	<p>Five locations where reports of sewer flooding have been provided (2009, 2011, 2012) as a result of hydraulic overload of the foul sewer and as a result of overloaded pumping stations. The curtilage of properties were affected.</p> <p>Goddards Green Road is described as a drainage hotspot. Sandbags were distributed during an event in 2008 for Hareplain Road and The Weavers as a result of surface water flooding.</p> <p>There are numerous events recorded between 2008 -2012 where surface water flooding is caused by blocked drains/ gullies in this area at Benenden Road, Cranbrook Road, Glebelands (Biddenden), Goddards Green Road, Tenterden Road.</p>

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<p>F: Bromley Green (inc. surrounding area)</p>	<p>Heavy rainfall resulting in surface water run off and overloaded sewers.</p> <p>Fluvial</p> <p>Surface water (blocked drains/ gullies)</p>	<p>Birchett Lane, Bromley Green Road, Hornash Lane, Woodchurch Road and Spot House Lane</p> <p>Ruckinge Dyke</p> <p>Sewers</p> <p>Unnamed drains</p> <p>FMfSW (deep) indicate predominantly patches of isolated ponding, with some flow routes which follow the line of watercourses and path from Blindgrooms Lane to Parsons Grove.</p>	<p>Incidents of sewer flooding at three separate locations from 2009-2012 as a result of an overloaded pumping station.</p> <p>In 2010 on Birchett Lane, rural ditches were described rural ditches overflowing into a garden and soaking walls of a property, this was recorded as happening before. The EA described the drainage system as insufficient, drainage overflowed into highway drains and floods when water level was high in dykes causing regular flooding on Bromley Green Road. In 2010, Hornash Lane was flooded and two properties were affected by surface water flooding. Wood Church Road was flooded in 2011. As a result of blocked drain Spot House Lane was flooded.</p>
<p>G: South West of M20</p>	<p>Heavy rainfall resulting in surface water run off.</p> <p>Fluvial</p> <p>Sewer</p> <p>Surface water (blocked drains/ gullies)</p>	<p>Joseph Conrad Drive, Roman Road, Bears Lane, Chequer Tree Farm Road, Frith Road and Gill Lane</p> <p>IDB Drain (Swanton Mill, Flood Stream and Kimberly Drain)</p> <p>East Stour and Ruckinge Dyke</p> <p>Unnamed watercourses</p> <p>FMfSW (deep) follows the line of drains and watercourses. There is some isolated ponding indicated.</p>	<p>In December of 2012 sandbags were requested by residents of Joseph Conrad Drive. A lagoon by the side of Roman Road caused issues in 2009. A KCC Highways ditch overflowed at Firth Road causing flooding of gardens (date unknown). A blocked ditch at Gill Lane flooded the road to a length of 12ft (2009).</p> <p>There are records of foul flooding to Forstal area (Flood Street) as a result of foul sewers surcharging.</p> <p>Historical flooding noted at Flood Street could potentially be as a result of overtopping of the IDB Drain, this may be from a knock on effect of the high levels within the Main River.</p>
<p>H: North East of M20</p>	<p>Heavy rainfall resulting in surface water run off and overloaded sewers.</p> <p>Fluvial</p> <p>Groundwater</p> <p>Burst Water Main</p> <p>Surface water (blocked drains/ gullies)</p>	<p>Church Road, Hythe Road, Plain Road, Pound Lane, Station Road, The Ridgeway, Broad Street, Church Lane</p> <p>IDB Drains</p> <p>Sewer</p> <p>Brook Stream and Great Stour</p> <p>FMfSW (deep) follow the line of existing watercourses with some isolated patches of flooding indicated a Bradbourne Lees.</p>	<p>Records of surface water flooding roads Church Road, Hythe Road, Plain Road, Station Road, The Ridgeway flooding the carriageway. There are records of floodwaters affecting a property at the Ridgeway and Pound Lane are as a result of surface water flooding. Hythe Road a property flooded as a result of blocked drains and gullies.</p> <p>The EA describe springs discharging onto road at Southenay Lane causing flood issues.</p> <p>Sewer flooding recorded as a result of hydraulic overload in 2009.</p>

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I: Other (numerous isolated incidences across the drainage area)

Heavy rainfall resulting in surface water run off and overloaded sewers.

Fluvial

Sewers

IDB Drains

Bethersden Road and Maidstone Road highlighted as flow paths for surface water.

RMIDB highlighted that there was a KCC Highways attenuation basin located on A0270 near Ham Street. It was discharging into an IDB drain and contributing to flood flows.

Two incidents of sewer flooding (2008, 2009) as a result of hydraulic overload and an overloaded pumping station.

North



Legend

- A** Pluckley and Little Chart
- B** Hothfield
- C** Smarden
- D** Bethersden
- E** Biddenden
- F** Bromley Green (inc. surrounding area)
- G** South West of M20
- H** North East of M20

- Main River
- IDB Maintained Watercourse
- Ordinary Watercourse
- River Stour (Kent) IDB
- Romney Marsh IDB
- Upper 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:



Consultant:



Partners:



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Scale 1:100,000

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Historic Flooding
Ashford Rural Mid
DA03

Key Plan

1:750,000

