



B.6 DA06 - Sevenoaks Rural South

Sevenoaks Stage 1 SWMP: Summary Sheet
Drainage Area 06: Sevenoaks Rural South

Area overview

Area (km²)

Drainage assets/systems	Type	Known Issues/problems	Responsibility
Sewer networks	Sewer (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 Sevenoaks District Council
Watercourses, drains and ditches	Non-Main River	No specific known problems	Riparian
Watercourses, drains and ditches	Non-Main River	No specific known problems with IDB Drains	Upper Medway IDB

Flood risk

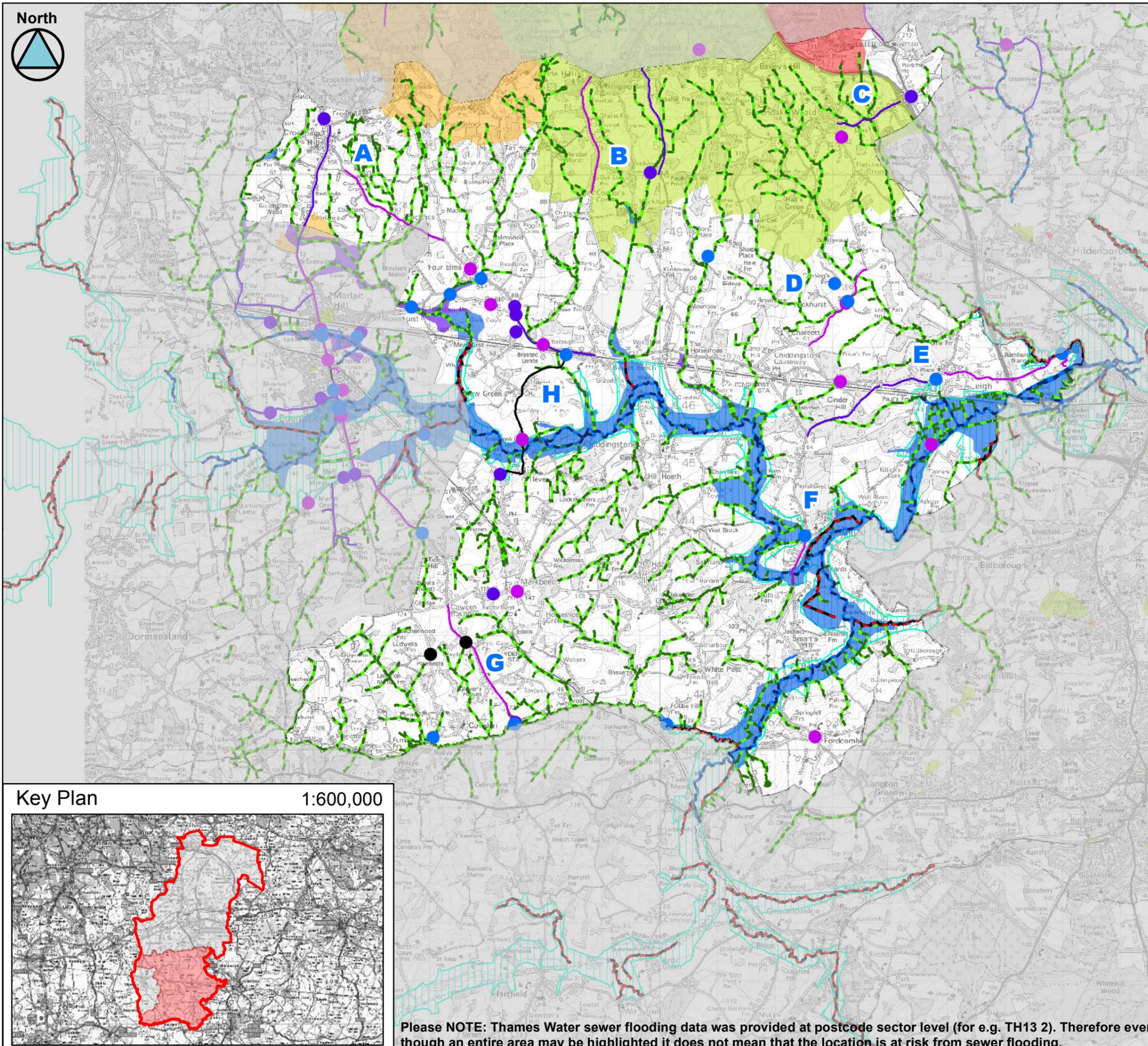
Receptor	Source	Pathway	Historic Evidence
A: Crockham Hill	Heavy rainfall resulting in surface water run off. Surface Water with Blocked gullies/drains Fluvial	Kent Brook - Ordinary Watercourse Crockham Hill, Kent Hatch Road, Pootings Road, Marlpit and Crockham Hill and Main Road. FMfSW (deep) indicate minor ponding in isolated areas.	Flooding recorded on Crockham Hill from the Kent Brook in 1960. Regular surface water flooding recorded on the Main Road and Kent Hatch Road. In 2012, on Pootings Road, KCC Highways was asked to provide a gully sucker in order to clean and jet two gullies causing flooding on the carriageway.
B: Winkhurst Green	Heavy rainfall resulting in surface water run off Surface Water with Blocked gullies/drains Fluvial	Unnamed Drain (Winkhurst Green) Yorks Hill, Main Road, Ide Hill Road and Scallops FMfSW (deep) follows the route of the watercourses present.	Flooding from an unnamed drain at Winkhurst Green recorded in 1960. Regular flooding recorded from surface water on Main Road, Ide Hill Road and Scallops.
C: Sevenoaks Weald	Heavy rainfall resulting in surface water run off. Surface Water with Blocked gullies/drains	London Road; Morleys Road, Weald, Sevenoaks; Tonbridge Road and Scabharbour Road FMfSW (deep) describes ponding along an unnamed drain along Fletcher Green	On Scabharbour Road, in 2010, a pipe under the road was reportedly blocked and ditches were not working which caused the road to flood. Regular flooding is recorded on Tonbridge Road as a result of surface water. In 2008, London Road, Morleys Road flooded, the cause was perceived to be from surface water.
D: Wickhurst	Heavy rainfall resulting in surface water run off Surface Water with Blocked gullies/drains Fluvial	Coppings Road and Cinder Hill Lane Unnamed Drain (Coppings Road) FMfSW (deep) follows the line of the unnamed drains through Wickhurst.	Regular flooding records on Coppings Road attributed to fluvial, surface water and blocked drains/gullies. In 2010, on Cinder Hill, half the road was reported to have been flooded and there is a history of property damage, due to flooding, in the local area.

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<p>E: Leigh</p>	<p>Heavy rainfall resulting in surface water run off</p> <p>Surface Water with Blocked gullies/drains</p> <p>Fluvial</p>	<p>River Medway and Bid Stream</p> <p>Powdermill Lane, Penshurst Road, Powder Mills and Ensfield Road</p> <p>FMfSW (deep) describes a flood flow route along the unnamed drain which flows through Leigh Park Farm and Home Farm</p>	<p>Flooding from the Medway was recorded in Nov-60, Sep-77 and Sep-58. The Leigh flood barrier provides protection from the River Medway but some areas still appear to be flood prone. The EA explained that flooding occurs from the Bid Stream where it crosses Powdermill Lane in an event.</p> <p>Regular surface water flooding occurs on Powder Mills, Powder Mill Lane and Ensfield Road either due to heavy rainfall or blocked drains or gullies. In 2009, Penshurst Road flooded as a result of excess surface water.</p>
<p>F: Penshurst</p>	<p>Surface Water with Blocked gullies/drains</p> <p>Fluvial</p>	<p>River Medway and River Eden</p> <p>Penshurst, Saints Hill, Fordcombe Road and The Lane</p> <p>FMfSW (deep) depicts isolated ponding in the area</p>	<p>River Medway was recorded as flooding in Nov-60 and Sep-73. Records of flooding from the River Eden in Sept-1977. At Saints Hill, in 2009, the River Eden burst its banks and flowed onto the roadway - 1ft estimated water depth</p> <p>Isolated events on Fordcombe Road and The Lane as a result of blocked drains/ gullies</p>
<p>G: Cowden and Markbeech</p>	<p>Heavy rainfall resulting in surface water run off</p> <p>Surface Water with Blocked gullies/drains or culverts</p> <p>Fluvial</p> <p>Burst Water Main</p>	<p>Cowden Road, Hartfield Road, Spode Lane, Cowden Pound Road and Cow Lane</p> <p>Unnamed Drain (Cowden Road and Hartfield Road)</p> <p>Burst Water Main (Hartfield Road and Spode Lane)</p>	<p>Regular flooding on Hartfield Road from a number of perceived sources a combination fluvial, surface water and blocked drains/ gullies. The most recent event was in 2012.</p> <p>At Cow Lane, in 2009, a drain outside a commercial property was reported as blocked. After a period of heavy rainfall, the carriageway was flooded and the water depth was recorded as approximately 3-4 inches.</p> <p>Cowden Pound Road, high levels in a local drain caused the road to flood in 2009.</p> <p>Hartfield Road and Spode Lane are reported to have flooded from a burst pipe or water main.</p>
<p>H: Four Elms, Hever and Bough Beech</p>	<p>Heavy rainfall resulting in surface water run off and overloaded sewers</p> <p>Surface Water with Blocked gullies/drains</p> <p>Fluvial</p>	<p>Bough Beech Road, Five Fields Lane, Four Elms Road, Hever Road, Clinton Lane and Roodlands</p> <p>Sewers (Four Elms Road)</p> <p>River Eden</p> <p>Unnamed Drains (Hever Road, Bough Beech Road, Five Fields Lane and Four Elms Road)</p> <p>Little Broxham Stream</p> <p>FMfSW (deep) illustrates ponding within the floodplain of the Medway.</p>	<p>Four Elms Road, Five Fields Lane, Hever Road flood regularly, records describe different sources such as sewer, surface water and fluvial. Bough Beech Road is vulnerable to flooding from a local watercourse.</p> <p>In 2012, Clinton Road there was a request for KCC to clean a blocked gully and jet the pipes through to the outlet in 2012.</p>
<p>I: Other</p>	<p>Fluvial</p>	<p>Unnamed drains (Baileys Hill Road and Bradley Road)</p>	<p>Baileys Hill Road and Bradley Road have flooded from unnamed drains in the past.</p>

North



Legend

- A** Crockham Hill
- B** Winkhurst Green
- C** Sevenoaks Weald
- D** Wickhurst
- E** Leigh
- F** Penhurst
- G** Cowden and Markbeech
- H** Four Elms, Hever and Bough Beech

- Main Rivers
- IDB Maintained Watercourse
- Ordinary Watercourses
- Upper Medway IDB

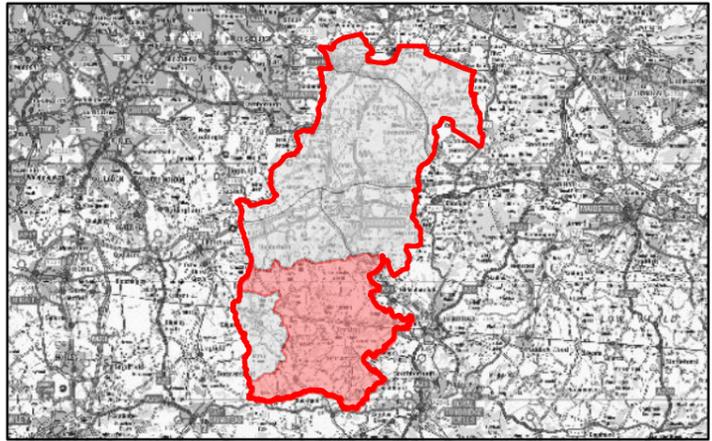
Historic Flooding*

- 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

Key Plan 1:600,000



Please NOTE: Thames Water sewer flooding data was provided at postcode sector level (for e.g. TH13 2). Therefore even though an entire area may be highlighted it does not mean that the location is at risk from sewer flooding.

Client:

Consultant:

Partners:

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Scale 1:65,000

Sevenoaks Stage 1 SWMP

Historical Flooding
Sevenoaks Rural South
DA06