



B.3 DA03 - Sevenoaks Rural North

Sevenoaks Stage 1 SWMP: Summary Sheet Drainage Area 03: Sevenoaks Rural North						
Area overview						
Area (km²) 102						
Drainage assets/systems	Туре	Known Issues/problems	Responsibility			
Sewer networks	Sewer (foul and surface water)	There are records of sewer flooding linked to Thames Water systems	Thames 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			
Flood risk						
Receptor	Source	Pathway	Historic Evidence			
A: Crockenhill	Heavy rainfall resulting in surface water run off and overloaded sewers. Surface water (blocked drains / gullies) Fluvial	River Darent Unnamed Drain (Cray Road) Sewers (Cray Road and Crockenhill) Cray Road, Eynsford Road, Church Road, Crockenhill Lane, Seven Acres and Woodmount Flow routes have been highlighted where natural valleys formed in the topography, from Highcroft through the east of Crockenhill towards Swanley to the north.	Recorded flooding from the River Darent in 1969 Reports describe medieval brick culverts under old houses on Cray Road. The culverts are unable to take peak flows and floods occur in the car park and in some commercial properties. Repeated flooding from Thames Water sewers on Cray Road (1996, 1997, 2003, 2005, 2006, 2008, 2009) Regular surface water flooding has been reported at Eynsford Road, Church Road, Crockenhill Lane, Seven Acres and Woodmount			
B: Eynsford and Farningham	Heavy rainfall resulting in surface water run off and overloaded sewers Surface water (blocked drains / gullies) Groundwater Fluvial Burst water main	River Darent Springs (Eynsford) Water main (Station Road) Sewers (DA4 9, High Street, Eynsford, Riverside) High Street, Pollyhaugh, Riverside, Bower Lane, High Street and Station Road A number flow routes have been highlighted by the FMfSW where dry valleys are present in the chalk topography,	Records of the River Darent in Sep-69, Sep-71 and Sep-72. Farningham was recorded to flood in 2003 due to the opening of sluices on the River Darent. A groundwater incident was recorded in Eynsford in 2003 Burst water main was reported on Station Road in 2011 Recorded issues with sewers on Riverside (2003), High Street, Eynsford (2012). Records describe Riverside Road was closed for two weeks due to flooding and sewage contamination. High Street is prone to flood from surface water run off of water and silt from fields on north west of Farningham roundabout. There has been a history of flood damage at Pollyhaugh. In 2012, Bower Lane, High Street and Station Road were cleared of flood water by KCC Highways.			

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Drainage Area 03: Sevenoaks Rural C: West Kingsdown	Heavy rainfall resulting in surface water run off and overloaded sewers Surface Water with Blocked gullies/drains	Sewers (Brands Hatch, West Kingsdown and Howells Close) Botsom Lane, Fawkham Road and Tinkerpot Lane The FMfSW described flow routes through West Kingsdown which flow in a north easterly direction towards Fawkham Green	Brands Hatch, West Kingsdown and Howells Close were affected by sewer flooding in the past. Botsom Lane is subject to regular surface water flooding (2008, 2010). In 2012 Fawkham Road was cleared by KCC Highways and in 2008 Tinkerpot Lane a blockage of a drain/ gully caused flooding on the road.		
D: Shoreham	Heavy rainfall resulting in surface water run off and overloaded sewers Surface Water with Blocked gullies/drains Fluvial	River Darent Sewers (Darenth Way) Shoreham Road, Shacklands Road and Station Road FMfSW highlights a dry valley between Timberden Bottom to downstream of Shoreham.	Records describe flooding from the River Darent at these locations Boakes Meadow, Church Street and Shoreham. In 2005 there was an hydraulic overload of a combined sewer on Darenth Way. Shoreham Road is described as a drainage hotspot and is subject to regular flooding due to surface water and in some instances due to blocked drains/gullies. Station Road (2008) and Shacklands Road (2012) flooded due to surface water.		
E: Halstead	Heavy rainfall resulting in surface water run off and overloaded sewers Surface Water with Blocked gullies/drains	Sewers (Orchard Road and Tudor Drive) Halstead Lane, Rushmore Hill, Knockholt Road and Otford Lane FMfSW illustrates routes along dry valleys from Halstead heading in a northerly direction towards Knockholt.	Sewer flooding described on Tudor Drive (1994) and Orchard Road (2003) In 2008, two events on Halstead Lane were described. Regular flooding from surface water is recorded on Rushmore Hill. Regular flooding is also described on Knockholt Road, this may be due to drains becoming blocked with detritus leaves. An isolated event was recorded in 2010 on Otford Road.		
F: Knockholt	Heavy rainfall resulting in surface water run off and overloaded sewers Surface Water with Blocked gullies/drains	Sewers (Chevening Road) Ovenden Road, Stoneings Lane, Sundridge Hill, Pilgrims Way and Shelleys Lane FMfSW describes minor flow routes from high ground to lower ground, from Shelleys to The Washneys.	Repeated flooding in Chevening Road as a result of hydraulic overload of a sewer, a NRV has since been fitted. Regular surface water flooding gullies on Ovenden Road and Sundridge Hill. Blocked gullies/drains are recorded to regularly flood Pilgrims Way and Shelleys Lane. In 2011, surface water flooding was recorded near the Stoneings Lane.		

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G: Otford	Heavy rainfall resulting in surface water run off and overloaded sewers. Surface Water with Blocked gullies/drains Fluvial	River Darent Sewers (Otford) Pilgrim's Way West, Rye Lane and Sundridge Road FMfSW (deep) follow the route of the River Darent.	Sevenoaks Road was flooded by the River Darent in the past. In Otford, flood risk plus sewage contamination was recorded due to vented local sewers in places. Regular flooding from surface water is described on Rye Lane, reports state that blocked gully/drain in the area cause water to overflow onto the road. Records also state that these seems to get blocked regularly. In 2008, Sundridge Road was completely impassable. Records describe an isolated event on Pilgrim's Way West in 2009.			
H: Kemsing	Heavy rainfall resulting in surface water run off and overloaded sewers. Surface Water with Blocked gullies/drains Fluvial Groundwater	River Darent Unnamed Drain (Noahs Ark and Watery Lane) Springs (Kemsing) Sewer (Spring Head Lane) Noahs Ark, Pilgrims Way, Pilgrims Way East, Childsbridge Lane, Highfield Road and Parkhill Road FMfSW (deep) tends to follow the line of ordinary watercourses, with areas of isolated ponding present.	River Darent flooded in 1970. Unnamed drain affected Noah's Ark (2011) and Watery Lane (2009) SDC describe that water drains from Kemsing toward M26. Noah's Ark is also described as regularly being affected by surface water. Regular flooding recorded on Pilgrims Way and Pilgrims Way East. In 2012, KCC were required to cleanse floodwater from Childsbridge Lane and Highfield Road. In 2009, at Parkhill Road, reports state that a soakaway outside a property was blocked and was not draining the water. This resulted in flooding on the road. Records show that water can be 10 inches deep and has resulted in flooding a garage.			
I: Other	Heavy rainfall resulting in surface water run off. Surface Water with Blocked gullies/drains	Shoreham, Well Hill and Tatsfield Lane	In 2008 and 2012, surface water flooding was recorded at Well Hill. Regular flooding recorded at Shoreham and Tatsfield Lane.			

