

C Flood History Table

The following tables should be viewed in correlation with the Historical Flooding maps, see Appendix B. Note that where further information was provided at the Data Validation and Action Plan workshop this information has been included within the tables in *italic text*

C.1 DA01 - Tonbridge and Malling Rural North

Table C 1 Tonbridge and Malling Rural North Receptor

Receptor	Location
A	Pease Hill
B	Hatham Green Lane
C	Labour-in-Vain
D	Wrotham
E	Fairseat
F	Holborough
G	Wouldham
H	Burham
I	Blue Bell Hill
J	Eccles
K	Pratling Street
L	Other (isolated incidences across the drainage area)

DA01 - Tonbridge and Malling Rural North							
Receptor, see Table C 1	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
A	Regular	Pease Hill	Surface Water	This historic record does not specify property	KCC Highways	Drainage Hotspots.xlsx	This location was highlighted as a drainage hotspot. A drainage hotspot is defined as a flood prone section of the highway network. Definition taken from Guidance on the HMEP 2012.

DA01 - Tonbridge and Malling Rural North

Receptor, see Table C 1	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
A	2012	Pease Hill	Surface Water with blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	Sevenoaks 2012 P1.xls	KCC was requested to clear flood water, cleanse and jet the gullies.
B	Regular	Hatham Green Lane	Other	There are records of a property being affected by flooding.	Kent County Council	Tonbridge_and_Malling_SWM P_KCC_Highway_Drainage_Hotspots.shp	A Pond on north side filled to capacity and water flowed into adjacent property.
C	26/11/2008	A20 at top of Wrotham Hill.	Surface Water	This historic record does not specify property flooding	KCC Highways	P1 Dataset	The carriageway was described as flooded.
C	Regular	Labour In Vain Road	Surface Water	This historic record does not specify property flooding	Kent County Council	Tonbridge_and_Malling_SWM P_KCC_Highway_Drainage_Hotspots.shp	There was substantial flooding to road
C	01/11/2008	Wrotham Hill Road	Surface Water	This historic record does not specify property flooding	KCC Highways	P1 Dataset	An enormous puddle formed (approx. 1 ft deep) crossing the whole width of the road (2 lanes) cars were able to pass through.
C, D	26/11/2008	London Road	Surface Water	This historic record does not specify property	KCC Highways	P1 Dataset	A car was damaged due to carriageway being flooded.
D	Regular	Bull Lane	Surface Water	This historic record does not specify property	KCC Highways	Drainage Hotspots.xlsx- KCC Highways	This location was highlighted as a drainage hotspot. A drainage hotspot is defined as a flood prone section of the highway network. Definition taken from Guidance on the HMEP 2012.

DA01 - Tonbridge and Malling Rural North

Receptor, see Table C 1	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
D	03/12/2009	Bull Lane	Surface Water	This historic record does not specify property	KCC Highways	P1 Dataset	The carriageway flooded.
E	Regular	Platt House Lane	Surface Water	This historic record does not specify property	Kent County Council	Tonbridge_and Malling_SWM P_KCC_Highway_Drainage_Hotspots.shp	There was a large area of ponding believed to be a fractured pipe, two gullies on the west side of the road.
F	Not Specified	Holborough Road	Fluvial	This historic record does not specify property	Environment Agency	An old record from the Environment Agency ¹⁹	Reports of flooding at the bridge
G	Regular	High Street, Wouldham	Surface Water	This historic record does not specify property	Kent County Council	Tonbridge_and Malling_SWM P_KCC_Highway_Drainage_Hotspots.shp	Water pooled outside a property; no facility to drain water away.

¹⁹ An old record from the Environment Agency refers to the dataset " read the red boxes.TAB supplied by the Environment Agency"

DA01 - Tonbridge and Malling Rural North

Receptor, see Table C 1	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
G	Regular	Pilgrims Way between Knowle Road and School Lane	Surface Water	No properties were recorded as being affected by flooding	Tonbridge and Malling Borough Council	Update Report On Burham Eccles And Wouldham Road Flooding (22/03/2013)	Reports suggest flooding is a regular occurrence in Wouldham on Pilgrims Way in the dip between Knowle Road and School Lane. After heavy rain, the flood extends for about 55 metres on the eastern side of the road and on the western side for about 15 metres. On the eastern side the water depth may be in the order of 300mm. The road cambers down towards the east where the natural slope of the ground is down to the west. There is a natural ponding area in the road if it is not properly drained. Reports suggest that this flood may be fed from water flowing down Hill Road and the footpath coming off the North Downs and crossing Rochester Road. There is also a problem area discussed on the dip on Pilgrims Way 400 metres north of the junction with School Lane. Grips require cutting and maintaining on this stretch of road.
G	Regular	Wouldham Road	Surface Water	No properties were recorded as being affected by flooding	Tonbridge and Malling Borough Council	Update Report On Burham Eccles And Wouldham Road Flooding (22/03/2013)	There are two locations on Wouldham Road north of Wouldham that are thought to require regular maintenance. The first is on the slope going up to Winchester House where there is ponding on the west side of the road in the traffic calming chicanes. The second is in a number of places going down the hill north of Winchester House especially on the bend before Starkey Castle.

DA01 - Tonbridge and Malling Rural North

Receptor, see Table C 1	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
H	Regular	Court Road, Burham	Surface Water with blocked gullies/drains	Properties were recorded as being affected	Tonbridge and Malling Borough Council	Update Report On Burham Eccles And Wouldham Road Flooding (22/03/2013)	There have been flooding issues recorded on Court Road Burham between Bell Lane and the bottom of the hill running up to the junction with Church Street. The Update report suggests regular maintenance of grips to prevent flooding on the carriageway is required. This is an important section of road because of the heavy use by HGVs and subsequent damage to the road base.
H	Regular, 2012, 2013	Mackenders Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx and Update Report On Burham Eccles And Wouldham Road Flooding (22/03/2013)	<p>This location was highlighted as a drainage hotspot. A drainage hotspot is defined as a flood prone section of the highway network. Definition taken from Guidance on the HMEP 2012.</p> <p>In May 2012, temporary clearance of the drainage system was carried out which alleviated the problem.</p> <p>Flooding occurred again on 18th March 2013 and drain clearance was scheduled for 20th March 2013.</p>
H	2008	Off Rochester Road between	Sewer	No properties were recorded as being	Southern Water	Initial summary.csv	Hydraulic overload of foul sewer. Highway was reported as flooded.

DA01 - Tonbridge and Malling Rural North

Receptor, see Table C 1	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
H	Regular	Pilgrims' Way	Surface Water	Properties were recorded as being affected	Tonbridge and Malling Borough Council	Update Report On Burham Eccles And Wouldham Road Flooding (22/03/2013)	Outside properties on Pilgrims Way Burham ponding is an issue where passing traffic splashed a considerable quantity of water over the post box and gates of a property. A patch was put in to re-profile the road. This moved the ponding but did not remove it and it is still a significant problem for the occupants of the property.
H	23/01/2009 2011, 2012	Rochester Road	Surface Water	There are records of a property being affected by flooding	KCC Highways and Tonbridge and Malling Borough Council	P1 Dataset and Update Report On Burham Eccles And Wouldham Road Flooding (22/03/2013)	Records suggest a property flooded. This area has not been the subject of flooding recently perhaps as a result of work carried out in 2011 or 2012. However after intense rain it is now flooding on the western side of the road again.

DA01 - Tonbridge and Malling Rural North

Receptor, see Table C 1	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
H	Regular	Rochester Road at the bottom of Alex Hill between the junction of Court Road and Bull Lane	Surface Water	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	Update Report On Burham Eccles And Wouldham Road Flooding (22/03/2013)	<p>On Rochester Road at the bottom of Alex Hill between the junction of Court Road and Bull Lane is the site of past flooding problem. Extensive works were carried out here and these have been successful in that there is now no significant flooding problem.</p> <p>However there are still considerable water flows from MR22 & MR24 off the North Downs onto the road and there is a heavy sediment concentration in the water. There is a concern that sediment will fill up the new works in time.</p> <p>This leaves a mass of loose sediment on the fairly fast corner at the bottom of Alex Hill.</p> <p>When the work was in progress there was a plan for KCC to do work on that would alleviate the water and sediment problems from that source and also a plan to kerb the eastern side of the road from the bottom of Alex Hill to the top.</p>
H	Regular	Rochester Road, Burham	Surface Water	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls and the Data Validation and Action Plan Workshop (14/03/2013)	<p>This area has been highlighted by TMBC as an issue.</p> <p>The EA objected to discharge to a chalk pit in the area.</p> <p>Works have since been completed and the soakaways have been reinstated.</p>
H	06/01/2011	Scarborough Lane	Surface Water	This historic record does not specify property	KCC Highways	P1 Dataset	Deep flooding at the bottom of the hill was observed; cars engines were cutting out and stopping.

DA01 - Tonbridge and Malling Rural North

Receptor, see Table C 1	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
I	04/12/2009	Blue Bell Hill	Surface Water	This historic record does not specify property	KCC Highways	P1 Dataset	A storm drain was reported missing at this location and began filling up with leaves so water was unable to flow through.
I	Regular	Blue Bell Hill	Surface Water	This historic record does not specify property	Environment Agency	Environment Agency Data Validation and Action Plan Workshop (16/04/2013)	EA explained there is regular flooding at this location. They described that KCC have cleaned out existing soakaways so the issue may have since been resolved.
I	13/11/2009	Common Road	Surface Water	There are records of property being	KCC Highways	P1 Dataset	A driveway was flooded and water entered the garage of this property.
I	27/06/2009	Marlow Copse	Surface Water	This historic record does not specify property	KCC Highways	P1 dataset	Minor surcharging of gully reported at this location
J	Regular	Bull Lane	Surface Water	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	Update Report On Burham Eccles And Wouldham Road Flooding (22/03/2013)	This used to be a bad stretch of road. Work done has largely solved the flooding problem but after rain there is still lying water. The low lying nature of the road and the large amount of HGV traffic regular maintenance of the drains and rain runs is essential to preserve the good standards of recent years.
J	2012	Cork Street	Surface Water with blocked gullies/drains	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	Update Report On Burham Eccles And Wouldham Road Flooding (22/03/2013)	The gullies and sections of the connecting drains were blocked and water was overflowing out of the gully pots. Action was taken that was successful at the time however the situation has reverted to overflowing drains and ponding water on the crossing by Hawkes Road. The gullies and drains need to be cleaned out again. This is the only area where the drains are described as significantly failing to deal with the surface runoff.

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Receptor, see Table C 1	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
J	Regular	Court Lane	Surface Water	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	Update Report On Burham Eccles And Wouldham Road Flooding (22/03/2013)	There have been flooding issues on Court Road Burham between Bell Lane and the bottom of the hill running up to the junction with Church Street. This is simply a question of cutting and maintaining the grips to prevent flooding on the carriageway. This is an important section of road because of the heavy use by HGVs and subsequent damage to the road base.
J	2012	Eccles Row	Surface Water with blocked gullies/drains	This historic record does not specify property	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC Highways were called to remove floodwater from this location and to jet and cleanse blocked gullies and drains.
J	Regular	Mackenders Close, Eccles	Surface Water	This historic record does not specify property	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Highway soakaways inadequate; TMBC contributed to improvements
J	2012	Mackenders Lane	Surface Water with blocked gullies/drains	This historic record does not specify property	KCC Highways	Tonbridge & Malling 2012 P1.xls and	KCC was requested to clear any flood water on the road and cleanse / jet gullies.
J	2013	Mackenders Lane	Surface Water	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	Update Report On Burham Eccles And Wouldham Road Flooding (22/03/2013)	Flooding was recorded at the eastern end of Mackenders Lane in Eccles. A successful temporary solution was carried out in May 2012 but recent flooding indicates that more work is needed to get a long term solution.
K	Regular	Pratling Street	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx	This location was highlighted as a drainage hotspot. A drainage hotspot is defined as a flood prone section of the highway network. Definition taken from Guidance on the HMEP 2012.

DA01 - Tonbridge and Malling Rural North

Receptor, see Table C 1	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
K	Not Specified	Pratling Street	Fluvial	This record did not specify if a property was affected by this incident	Environment Agency	An old record from the Environment Agency	Major flooding problems along Pratling Street whenever it rains. Stream from ponds adjoining. Pratling Street discharging into an infilled quarried area now partially developed in this part of Aylesford. By-pass eased the problem.
K	2012	Pratling Street	Surface Water with blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC was requested to cleanse gullies and jet lines. Water Board were trying to trace a leak.
L	09/02/2009	Ash Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	P1 Dataset	Road flooded.
L	10/02/2009	Ash Lane	Surface Water with blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	P1 Dataset	Road was flooded. Records suggest this was extensive, and as a result the road was eventually closed.

DA01 - Tonbridge and Malling Rural North

Receptor, see Table C 1	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
L	Feb-53	Medway Tidal Snodland	Tidal	There are approximately 24 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	Flooding was caused by breaching of defences. Information taken from EA Flood Report, Ministry of Agriculture and Fisheries Reports and websites. No specific property and damage numbers were recorded.
L	Oct-00	Medway Tidal, Burnham Marshes	Tidal	This historic record does not specify property flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	Outlines produced using food levels at Allington Lock and ground photos for Allington.

DA01 - Tonbridge and Malling Rural North

Receptor, see Table C 1	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
L	Dec-27	Medway, Aylesford	Fluvial	There are approximately 34 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	Tidal flooding on the River Medway in 1927 (sourced from Internet). Channel capacity was exceeded (no raised defences).
L	Nov-60	Medway, Aylesford	Fluvial	There are approximately 32 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	Outline was created from cabinet maps. Supporting information was received from the report on Flood Conditions in the Upper Medway Division Nov - Dec 1960. Photographs, newspaper cuttings, hand drawn flood outline of Maidstone Town Centre.

C.2 DA02 - Tonbridge and Malling Rural Mid

Table C 2 Tonbridge and Malling Rural Mid Receptor

Receptor	Location
A	Mote Road
B	Ightham Common
C	Ightham
D	Kemsing Road
E	Borough Green
F	Platt
G	Addington, Offham & Wrotham Heath
H	Ryarsh
I	Birling
J	West Malling
K	Kings Hill
L	East Malling
M	Other (isolated incidences across the drainage area)

DA02 - Tonbridge and Malling Rural Mid							
Receptor, see Table C 2	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
A	Regular	Mote Road, Ivy Hatch	Surface Water	There are records of National Trust land being affected by flooding.	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Highway drainage from Ivy Hatch caused flooding on the carriageway.

DA02 - Tonbridge and Malling Rural Mid

Receptor, see Table C 2	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
B	2011	Between Tonbridge Road, Ismays Road and Tebbs Way	Sewer	Records describe that the curtilage of 2 properties were affected	Southern Water	initial_summary.csv	Hydraulic overload of foul sewer
B	08/09/2008	Old Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	The road was recorded as repeatedly flooded over several weeks.
B	Regular	Redwell Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot, A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012
B	2012	Redwell Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	Records describe a request for to construct a sandbag wall (100 pcs) to deflect flood water.
B	29/11/2009	Tonbridge Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Carriageway was flooded.
C	17/06/2009	Bates Hill	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	There was work that had been done by South Eastern Water and water was running down the road. It had been patched before by South East but the water was leaking through the ground and running down the road.

DA02 - Tonbridge and Malling Rural Mid

Receptor, see Table C 2	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
C	2012	Bates Hill	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC Highways were called out to clear floodwater from the road.
C	Regular	Busty Lane, Ightham	Fluvial	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Obstructions to watercourse channel; some work done but Footbridge & services obstruct flow.
C	None specified	Busty Lane, Ightham	Fluvial	EA indicated that properties have flooded at this location in the past	Environment Agency	EA Meeting Minutes	EA explained that a tributary of the River Bourne goes into culvert, in an event this tends to flood
C	Not Specified	Durlings Orchard	Fluvial	Records suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency	Minor flooding, farmland, roads and properties affected in stream valley, Ightham.
C	07/07/2008	Ightham Village - At the top of Bates Hill on the right hand side going up (Out of Ightham) - Immediately past Rectory Lane	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding; there are records of external flooding (driveway).	KCC Highways	KCC Highways P1 Dataset	Records describe a blocked drain which caused water to flow down Bates Hill and through the driveway of a property. Record describe that flooding affected Rectory Lane also.
C	13/11/2009	The Street	Surface Water	This historic record does not specify	KCC Highways	KCC Highways P1 Dataset	Reports of an ongoing issue with flooding on this road. The road flooded again today, and a property is at high risk of flooding.

DA02 - Tonbridge and Malling Rural Mid

Receptor, see Table C 2	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
				property flooding			
C	13/11/2009	The Street	Surface Water	There are records of a property being affected by flooding.	KCC Highways	KCC Highways P1 Dataset	The road was flooded and the water flowed into a property.
D	Regular	Kemsing Road	Surface Water	This historic record does not specify property flooding	Kent County Council	Tonbridge_and_Malling_SWMP P_KCC_Highway_Drainage_H otspots.shp	Large area of ponding water.
E	Regular	Lingfield Road, Borough Green	Fluvial	There are records of approximatel y 10 properties being affected by flooding.	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Watercourse conveyance problem, awaiting solution from Network Rail
E	2000, 2002 and 2003	Maidstone Road (A25)	Fluvial	The EA did not specify if property was at risk	Environment Agency	EA Meeting Minutes	EA described the A25 floods from the River Bourne. Flooding a garage and a garden.
E	Regular	Wrotham Road	Surface Water	EA suggested that properties are at risk in Borough Green	Environment Agency	EA Meeting Minutes and EA Data Validation and Action Plan Workshop (16/04/2013)	EA explained that the quarry floods affecting Wrotham Road and in turn can affect the town. <i>Flows are carried in a culvert under a residential area. The invert of the culvert was initially built too high. To rectify this; the watercourse was regraded and embanked. The road is still thought to be at risk. TMBC are aware of the issues here and have engaged with the landowners to improve the condition of the watercourse to prevent blockages.</i>

DA02 - Tonbridge and Malling Rural Mid

Receptor, see Table C 2	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
E	Regular	Wrotham Road, Borough Green	Surface Water	There are records of a property being affected by flooding plus the highway.	Tonbridge and Malling Borough Council	TM SWMP flood history.xls <i>Data Validation and action Plan Workshop (14/03/2013)</i>	Highway drainage issues, Tonbridge and Malling Borough Council <i>Tonbridge and Malling Borough Council explained in the Data Validation and Action Plan Workshop that they have worked with the landowners to improve the watercourse issue in the area.</i>
F	03/11/2009	Greenlands	Surface Water with Blocked gullies/drainns	This historic record does not specify property flooding; there are records of external flooding (surrounding property).	KCC Highways	KCC Highways P1 dataset	Reports of a blocked surface drain. The area outside a property was flooded and standing water was encroaching on this property
F	2012	Long Mill Lane	Surface Water with Blocked gullies/drainns	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC was requested to clear / jet culvert under carriageway from stream at spout cottage to the other side.
F	Not Specified	Long Mill Lane, Comp Lane	Fluvial	This record did not specify if a property was affected by this incident	Environment Agency	An old record from the Environment Agency	Ditch floods road, Comp Lane, Long Mill Lane (Blue Anchor Inn), Platt.
F	2009	Off Long Mill Lane, around Greenlands	Sewer	Records describe that the curtilage of one property was affected	Southern Water	initial_summary.csv	Hydraulic overload of foul sewer

DA02 - Tonbridge and Malling Rural Mid

Receptor, see Table C 2	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
F	Regular	Long Mill Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot, A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012
G	Regular	Addington Lane	Surface Water with Blocked gullies/drai ns	This historic record does not specify property flooding	Kent County Council	Tonbridge_and_Malling_SWM P_KCC_Highway_Drainage_H otspots.shp	Records show that the gully was surcharging and caused water to run down channel for about 60m into another gully.
G	Regular	Church Road	Surface Water	This historic record does not specify property flooding	Kent County Council	Tonbridge_and_Malling_SWM P_KCC_Highway_Drainage_H otspots.shp	Substantial flooding on A20. No blockages of gullies and drains were reported.
G	27/06/2009	London Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Reports state that this area was completely flooded up to car axle in depth.
G	26/11/2008	London Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Car was damaged due to carriageway being flooded.
G	Regular	London Road	Surface Water	This historic record does not specify property flooding	Kent County Council	Tonbridge_and_Malling_SWM P_KCC_Highway_Drainage_H otspots.shp	This area was identified as a flooding hotspot to the Southside of the A20.
G	Not Specified	London Road	Fluvial	This record did not specify if a property was affected by this incident	Environment Agency	An old record from the Environment Agency	The stream which rises at Little Wrotham Farm and discharges along Nepicar Lane can become blocked and cause flooding on the A20. In winter this can be serious, causing ice. Realignment of the lane will renew the culvert system and drain it into a stream.

DA02 - Tonbridge and Malling Rural Mid

Receptor, see Table C 2	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
G	23/01/2009	Maidstone Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Road was flooded due to heavy rainfall.
G	15/10/2008	Pepingstraw Close	Other/ Unknown	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	A stop cock cover was missing leaving a hole in the footpath.
G	Regular	Sandy Lane	Surface Water	This historic record does not specify property flooding	Kent County Council	Tonbridge_and_Malling_SWM P_KCC_Highway_Drainage_H otspots.shp	Constant infiltration of mud, preventing smooth passage into adjacent pond. It was suggested at the time that the pond may need desilting.
G	Regular	Seven Mile Lane	Surface Water	This historic record does not specify property flooding	Kent County Council	Tonbridge_and_Malling_SWM P_KCC_Highway_Drainage_H otspots.shp	Flooding observed, needs further investigation.
G	19/01/2009	Teston Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	The carriageway was flooded. The water was a few inches deep and spanned 20 meters across and covered the width off the road.
G	07/07/2009	Teston Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Flooding was observed at several inches deep and up to 80 yards long
G	05/02/2009	Trottiscliffe Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	There was a report that a driver had hit a wall of water.

DA02 - Tonbridge and Malling Rural Mid

Receptor, see Table C 2	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
H	Not Specified	Old School Lane	Fluvial	This record did not specify if a property was affected by this incident	Environment Agency	An old record from the Environment Agency	Street floods where watercourse is culverted. Caused by heavy rain, the silting up of road gullies and accumulation of debris in stream. Chapel Street, Ryarsh.
H	Not Specified	Roughetts Road	Fluvial	Records suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency	Stream is culverted under both roads and discharges into a brick quarry. During severe rainfall the culvert blocks causing washout in the quarry face. Further washout will undermine the road and cause collapse into the quarry. Stream partially culverted
H	None specified	Ryarsh	Fluvial	EA suggested that 10 properties had been affected in the past	Environment Agency	EA Meeting Minutes and <i>EA Data Validation and Action Plan Workshop (16/04/2013)</i>	Anecdotal evidence suggests that flooding at this location closes Birling Road. <i>The EA describes this is a result of under capacity culverts on an ordinary watercourse.</i>
H	10/10/2008	The Street	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Drain cover was raised and was sticking high up out of the ground.
H	Regular	Woodgate Road, Ryarsh	Fluvial	There are records of several houses being affected by flooding.	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Highway culvert screen required regular maintenance, Tonbridge and Malling Borough Council
H	Regular	Workhouse Road	Surface Water	This historic record does not specify property flooding	Kent County Council	Tonbridge_and_Malling_SWMP_KCC_Highway_Drainage_Hotspots.shp	Flooding is an issue with a makeshift soakaway, filled with stones.

DA02 - Tonbridge and Malling Rural Mid

Receptor, see Table C 2	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
I	Regular	Birling Ashes, Bull Road, Birling	Fluvial	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls and the <i>Data Validation and Action Plan Workshop (14/03/2013)</i> ,	Watercourse conveyance problem under highway; road was impassable <i>At the Data Validation and Action Plan Workshop (14/03/2013), it was explained that there is restricted conveyance under the road due to two small pipes becoming regularly blocked. A number of cars have been damaged in the past as a result of this flooding.</i>
I	28/02/2010	Bull Road	Fluvial	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Records describe the whole carriageway as flooded to waist height with many vehicles getting stuck.
I	Not Specified	Bull Road	Fluvial	This record did not specify if a property was affected by this incident	Environment Agency	An old record from the Environment Agency	Build up of debris and weed in stream causing flooding in Grange Road.
I	2012	Bull Road	Fluvial	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC Highways were called to remove floodwater from this location.
I	Regular	Snodland Road	Surface Water	This historic record does not specify property flooding	Kent County Council	Tonbridge_and_Malling_SWM P_KCC_Highway_Drainage_H otspots.shp	Substantial flooding on road
I	11/11/2008	Snodland Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Carriageway was flooded.

DA02 - Tonbridge and Malling Rural Mid

Receptor, see Table C 2	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
J	13/11/2009	Broadwater Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	There was 18 inches of water on the road, there were only two drains in the lane and the drains were not draining properly.
J	Regular	Broadwater Road	Surface Water	This historic record does not specify property flooding	Kent County Council	Tonbridge_and_Malling_SWMP_KCC_Highway_Drainage_Hotspots.shp	Reports of substantial flooding. Twin gullies emptied into pond approximately 50m NE. Outfall bridges at high water.
J	Regular	Broadwater Road	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot, A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012
J	2012	Broadwater Road	Surface Water with Blocked gullies/drainns	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC Highways were called to clear flood water at this location. The floodwater extent was described as 100ft long and 12" deep.
J	Regular	Frog Lane, West Malling	Fluvial	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls and the <i>Data Validation and Action Plan Workshop (14/03/2013)</i> ,	Reports state that the stream burst its banks. <i>At the Data Validation and Action Plan Workshop (14/03/2013), it was explained that at the top of Frog Lane a gully is regularly blocked. Also a stream flows underneath Frog Lane, however it does not have sufficient capacity and regularly overtops. TMBC explained that the stream is cleared regularly and checked for debris.</i>
J	29/10/2008	High Street	Surface Water	There are records of property being affected by flooding.	KCC Highways	KCC Highways P1 Dataset	Newly built pavement covered the soakaway grid and water was going back along the pavement and into the cellar of property. This damaged material, carpet and the wall.

DA02 - Tonbridge and Malling Rural Mid

Receptor, see Table C 2	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
J	22/02/2010	High Street	Surface Water	There are records of a property being affected by flooding	KCC Highways	KCC Highways P1 Dataset	A commercial property was recorded as flooded after workmen moved the metal drains on the footpath and replaced kerb stones. This resulted in the flooding of the cellar and shop.
J	Regular	Lavenders Road	Surface Water with Blocked gullies/drainns	This historic record does not specify property flooding	Kent County Council	Tonbridge_and_Malling_SWM P_KCC_Highway_Drainage_H otspots.shp	Frequent blockages incurred by debris, no apparent breakages were observed.
J	03/11/2009	Lucks Hill	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Carriageway (country lane) flooded one side to the other. Approximately 1.5ft high.
J	2012	Lucks Hill	Surface Water with Blocked gullies/drainns	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC was requested to clear flood water and cleanse / jet gullies.
J	30/11/2009	Offham Road	Surface Water with Blocked gullies/drainns	There are records of property being affected by flooding.	KCC Highways	KCC Highways P1 Dataset	Flooding caused damage to house. Flood waters were a few inches high on front of house.
J	09/02/2009	Offham Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	The road was flooded.
J	Not Specified	St Leonards Street	Fluvial	Records suggest that properties may have been	Environment Agency	An old record from the Environment Agency	Flooding to various locations caused by debris blocking the culverts, partially solved by a road culvert. A228 by Douces Manor, Water Lane, the cascade Swan Street, Frog Lane, junction Lavenders Road and Swan Street.

DA02 - Tonbridge and Malling Rural Mid

Receptor, see Table C 2	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
				affected by this incident			
J	2001	St. Leonards Street, West Malling	Groundwater	There are records of approximately 3 properties being affected by flooding.	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Exceptionally high water table observed.
J	11/11/2008	Swan Street	Surface Water with Blocked gullies/drain s	This historic record does not specify property flooding; there are records of external flooding (School playground).	KCC Highways	KCC Highways P1 Dataset	Reports of a school playground being flooded due to blocked gullies outside. This issue has since been resolved.
J	2012	Windmill Lane East	Surface Water with Blocked gullies/drain s	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC was requested to remove floodwater, cleanse and jet two gullies.
K	Regular	Hazen Road	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot, A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012

DA02 - Tonbridge and Malling Rural Mid

Receptor, see Table C 2	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
L	11/01/2011	High Street	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Carriage flooded; passable just but danger of aquaplaning
L	15/09/2009	High Street	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Water was pumping out of a drain. As the drain was on a hill, the water flowed downhill. Floodwater inundated the road.
L	11/06/2010	Kiln Barn Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Carriageway was flooded and cars couldn't get through.
L	24/11/2008	Kiln Barn Road	Surface Water with Blocked gullies/drai ns	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Drain blocked; road flooded to a depth of one foot.
L	2012	Kiln Barn Road	Surface Water with Blocked gullies/drai ns	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC Highways were called to remove floodwater from this location and to jet and cleanse blocked gullies and drains.
L	Regular	Wateringbury Road	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot, A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012
L	Regular	Wateringbury Road	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot, A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012

DA02 - Tonbridge and Malling Rural Mid

Receptor, see Table C 2	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
M	10/10/2008	Butchers Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Resident claimed that his road was recently resurfaced and the drain was covered over.
M	22/02/2010	Fen Pond Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	There is a possibility that there was a gulley under this area. Water was half way across the road and could potentially enter properties.
M	2011	Ivy Hatch	Sewer	Records describe that the curtilage of 2 properties were affected	Southern Water	initial_summary.csv	Hydraulic overload of foul sewer
M	31/10/2008	Sheet Hill	Surface Water with Blocked gullies/drai ns	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Records suggest that due to a blocked gully a car park flooded.

C.3 DA03 - Tonbridge and Malling Rural South

Table C 3 Tonbridge and Malling Rural South Receptor

Receptor	Location
A	Plaxtol Spoute & Dunk's Green
B	West Peckham
C	Mereworth
D	Wateringbury
E	Hadlow
F	Golden Green
G	East Peckham (and surrounding area)
H	Other (isolated incidences across the drainage area)

DA03 Tonbridge and Malling Rural South							
Receptor, see Table C 3	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
A	Not Specified	Hamptons Road	Fluvial	This record did not specify if a property was affected by this incident	Environment Agency	An old record from the Environment Agency	Roads flood and act as a watercourse during heavy rain. Plaxtol and Shipbourne, Hamptons Road and Reeds Lane.
A	12/02/2009	Long Mill Lane	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	This area flooded and the water became a sheet of ice.
A	Regular	Long Mill Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot. A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012

DA03 Tonbridge and Malling Rural South							
Receptor, see Table C 3	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
A	2011	Plaxtol Spoute, around Brook and Allens Lane	Sewer	Records describe that the curtilage of 2 properties were affected	Southern Water	initial_summary.csv	Flooded caused by overloaded pumping station
A	Regular	Roughway Lane	Fluvial	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Area highlighted by TMBC to have flooded in the past.
A, F	Nov-60	Bourne Dunk's Green	Fluvial	There are approximately 14 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	This outline was digitised from Kent River Authority mapping and cabinet Maps using scale 1:10,000
B	2012	Mereworth Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC was requested to clear any flood water on the road, cleanse gullies and jet connecting pipe-work in the area on Meadow House. Resident reporting that quantity of water was forcing covers up.
B	None specified	West Peckham	Surface Water	The EA did not specify if property was at risk	Environment Agency	EA Meeting Minutes	EA would support a study into the impacts of large expanses of greenfield being turned into areas for polytunnels.

DA03 Tonbridge and Malling Rural South							
Receptor, see Table C 3	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
B	Regular	West Peckham	Surface Water	The EA specified that properties were at risk	Environment Agency	Environment Agency Data Validation and Action Plan Workshop (16/04/2013)	EA described there is regular flooding to West Peckham. EA describe that there are no highways drains/ gullies present in the area to cope with excess surface water on the roads.
C	1999, 2000 2009	Mereworth Crossroads	Fluvial	This historic record does not specify property flooding	Environment Agency	EA Meeting Minutes	EA described flooding at this location in the past from the Swanton Stream due to an culvert with insufficient capacity
C	10/11/2008	The Street	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 dataset	Flooding right across road (ongoing problem see kms 100492). Blocked drain to be assigned to drainage.
C	23/01/2009	Tonbridge Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Road was flooded.
C	07/07/2009	Tonbridge Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Manhole covers and drain covers were being blown up in the air from rainfall.
D	Not Specified	Bow Road	Fluvial	Records suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency	Waterside Cafe, Wateringbury flooded.
D	Regular	Love Lane, Wateringbury	Other/Unknown	There are records of residential mill buildings being affected by	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Ornamental cascade flooded onto road.

DA03 Tonbridge and Malling Rural South							
Receptor, see Table C 3	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
				flooding as well as a road.			
D	Nov-60	Medway Tonbridge to Laddingford	Fluvial	There are approximately 811 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	Flood outline was taken from the Report on Flood Conditions in the Upper Medway Division 1960; this was supported by Photographs and newspaper cuttings. A total of 233 premises are described as being at risk from flooding.
D	Sep-68	Medway	Fluvial	There are approximately 2545 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	Main source of flood outline is from cabinet maps and some other sources of reference such as newspaper articles in Historic Flood Map folder.
D	Oct-00	Medway	Fluvial	There are approximately 2 properties that may be affected by flooding based on the GIS files provided	Environment Agency	Environment Agency Historic Flood Maps	Outline produced from aerial and ground photography, flood levels and reports from Environment Agency staff

DA03 Tonbridge and Malling Rural South							
Receptor, see Table C 3	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
				by the EA historic outlines and NRD			
D	07/11/2008	Old Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 dataset	Reports of two drains that were blocked here which caused flooding.
D	None specified	Pizien Well	Fluvial	Records suggest that properties may have been affected by this incident	Environment Agency	EA Meeting Minutes and <i>Environment Agency Data Validation and Action Plan Workshop (16/04/2013)</i>	EA described flooding of two/ three properties from the Swanton Stream.
D	12/10/2008	Tonbridge Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Road was flooded on both sides from the ornamental pond. Gully emptier was contacted and drainage was cleaned.
D	14/10/2010	Tonbridge Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Reports of the A26 being flooded (14:45, 14th October on the Maidstone direction side near the junction with Mill Lane in Wateringbury)
D	Regular	Wateringbury Mill Pond	Fluvial	There are records of Cottages & residential mill buildings being affected by flooding.	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Sluice is prone to debris accumulation which can prevent water from passing through freely.
E	2012	Court Lane	Surface Water with Blocked gullies/drains	This historic record does not specify property	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC Highways were called to clear and jet blocked drains and gullies at this location to prevent further flooding.

DA03 Tonbridge and Malling Rural South							
Receptor, see Table C 3	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
				flooding			
E	Regular	James Close/Maidstone Road, Hadlow	Other/Unknown	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Private operation of sluice/ KHS trash screens. Current TMBC investigation.
E	1968, 2000, 2002, 2003	Maidstone Road	Fluvial	Records suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency, <i>Environment Agency Data Validation and Action Plan Workshop (16/04/2013)</i> and further comment from the Environment Agency on the DRAFT Stage 1 SWMP Report.	Area prone to flooding of roads and properties. Hadlow, the A26 and area north of the village. <i>Palmers Brook runs parallel to A26 and has flooded properties in the past - 12 properties are at risk in this location.</i> <i>In 2003 a landowner blocked the culvert resulting in flooding and property damage.</i> The Environment Agency reported that the Palmers brook may have been responsible for flooding Hadlow in 1968; subsequently the Hadlow culvert was added as an improvement. A blockage of this culvert in 2002/3 flood resulted in several houses being flooded.
E	2012	Maidstone Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC was requested to clear any flood water on the road and clear gullies and jet lines through to next gully.
E	2010	South of Hadlow off High Street / Blackman's Lane	Sewer	Records describe that the curtilage of one property was affected	Southern Water	initial_summary.csv	Hydraulic overload
E	Regular	Steers Place, Hadlow	Fluvial	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls and <i>Data Validation and Action Plan Workshop (14/03/2013)</i>	Road flooded which posed a risk to a bungalow; Inadequate ditch maintenance. This issue has since been resolved

DA03 Tonbridge and Malling Rural South							
Receptor, see Table C 3	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
E	05/05/2010	Tonbridge Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	KCC highlighted that there may be issues at this location. The record described a cracked gully which collapsed. No flooding reported.
E	10/02/2009	Tonbridge Road	Surface Water	There are records of a property being affected by flooding	KCC Highways	KCC Highways P1 Dataset	There was flooding at the side of a property and a garage was flooded with 1 ft of water. The footpath was also covered with water.
E, F	Sep-58	Leigh to East Peckham	Surface Water	There are approximately 446 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	Outline was taken from 1968 cabinet maps (1958 hatched outline). 1958 flood event largely surface water flooding and local drainage issues.
F	Not Specified	Hadlow Road	Fluvial	Records suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency	Flooding of land upstream of mill from river. Goldhill Mill to Hadlow Road.
F	Regular	Hartlake Road	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot. A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012
F	09/02/2009	Hartlake Road	Fluvial	This historic record does not specify	KCC Highways	KCC Highways P1 Dataset	Road Flooded.

DA03 Tonbridge and Malling Rural South							
Receptor, see Table C 3	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
				property flooding			
F	2012	Hartlake Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC Highways were called to clear and jet blocked drains and gullies at this location to prevent further flooding.
F	25/02/2010 / 26/01/2009 / 09/02/2009	Hartlake Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Road was flooded. The water level was up to a car windscreen. Reports of a road that needed to be closed because of flooding Road was reported as flooded
F	Not Specified	Hartlake Road	Fluvial	Records suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency	Level ground near rivers flood, affecting roads and Good Hill House, Hartlake Road and Pierce Mill Road.
F	Not Specified	Hartlake Road	Fluvial	This record did not specify if a property was affected by this incident	Environment Agency	An old record from the Environment Agency	Section of Hartlake Road floods/ south of Golden Green.
F	Regular	Hartlake Road	Fluvial	Records describe properties at risk	EA, UMIDB,	<i>Data Validation and Action Plan Workshop (14/03/2013) and Environment Agency Data Validation and Action Plan Workshop (16/04/2013)</i>	When the Main River is in flood it takes a shortcut through the village, flows back into the watercourse at Barnes Street. Possible joint scheme with the EA and the UPIDB to alleviate this issue.
F	2002, 2003	Victoria Road / Pierce Mill Lane	Fluvial	Records suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency	Some overtopping occurred upstream of Goldhill Mill, Pierce Mill and Little Mill. 44mm rain in 48 hours in Eden Vale.

DA03 Tonbridge and Malling Rural South							
Receptor, see Table C 3	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisatio n)	Source supplied data (report)	Comments
F, G, H	Nov-63	Medway, Tonbridge to Laddingford	Fluvial	There are approximately 359 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	The outline was digitised from cabinet maps.
G	2000	East Peckham	Fluvial	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Flooding from the River Medway / Coult Stream.
G	1968	East Peckham	Fluvial	This historic record does not specify property flooding	Environment Agency	EA Meeting Minutes	EA explained that once water gets onto the road it floods the town, flooding is from the Medway and the Coult Stream.
G	2010	East Peckham	Fluvial	This historic record does not specify property flooding	Environment Agency	<i>Environment Agency Data Validation and Action Plan Workshop (16/04/2013)</i>	EA explained that flooding was caused as a result of a blocked culvert on an ordinary watercourse put properties at risk.
G	2009	East Peckham, north of Hale Street between Seven Mile Lane and Maidstone Road	Sewer	Records describe that the curtilage of one property was affected	Southern Water	initial_summary.csv	Hydraulic overload

DA03 Tonbridge and Malling Rural South							
Receptor, see Table C 3	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
G	None specified	Field north of Hatches Lane	Surface Water	The EA indicated that property is at risk	Environment Agency	EA Meeting Minutes and <i>Environment Agency Data Validation and Action Plan Workshop (16/04/2013)</i>	The EA explained that run off from a field discharges on to Hatches Lane EA explained that they have data relating to the drainage pathways of surface water from the field. It is an ongoing issue.
G	15/02/2010	Hale Street	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	The carriageway flooded due to a leak. Southern Water has advised it was surface water from the sample they have taken.
G	None specified	Hale Street	Fluvial	This historic record does not specify property flooding	Environment Agency	EA Meeting Minutes and <i>Agency Data Validation and Action Plan Workshop (14/03/2013)</i>	Regular flooding at this location from the River Coult and Medway (possible the River Bourne in a large flood) <i>A resident culverted the watercourse with a twin pipe culvert. Blockage of the pipe caused flooding.</i> <i>There are also issues with service pipes crossing the watercourse and collecting debris.</i>
G	Not specified	Hatches Lane, East Peckham	Fluvial	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Highway runoff was observed. Potentially, also flooding from Coult Stream. EA /KCC have knowledge of problem.
G	10/02/2009 / 10/02/2009	Maidstone Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Surface water; at least 3 vehicles and fire brigade vehicle have broken down. Records describe surface water on the road.
G	03/01/2009	Seven Mile Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	There was a burst water main here, causing flooding and could freeze over.

DA03 Tonbridge and Malling Rural South							
Receptor, see Table C 3	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
G	Not Specified	Tonbridge Road	Fluvial	Records suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency	Low lying area floods, roads affected. East Peckham - Little Mill to Barnes Street; Rose and Crown Inn area, junction of Mill Street with Millfields; Stone pit corner. Conditions will be improved by River Medway flood relief Scheme currently in progress
H	10/02/2009	Ightham Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	The road was described as flooded.
H	10/02/2009	Maidstone Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Road flooded but passable.
H	None specified	Maidstone Road	Fluvial	There were no properties recorded as being affected	Environment Agency	EA Meeting Minutes and <i>Data Validation and Action Plan Workshop (13/03/2013)</i>	A26 closes as a result of flooding It was explained that roadside maintenance was not frequent. Watercourses culverted under road flowing under Goose Green bypass. Culverts are thought to be if an inadequate size.
H	29/06/2009	School Lane	Surface Water	There are records of property being affected by flooding.	KCC Highways	KCC Highways P1 Dataset	Rainwater entered cellar from gullies as it was not draining away properly.

C.4 DA04 - Tonbridge Town and Hildenborough

Table C 4 Tonbridge Town and Hildenborough Receptor

Receptor	Location
A	Hollanden
B	Hildenborough (north)
C	Hildenborough (south)
D	Powder Mill
E	Starvecrow
F	Trench Wood
G	Higham Wood
H	Cage Green / The Park
I	Tonbridge Centre
J	Other (isolated incidences across the drainage area)

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Receptor, see Table C 4	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
A	Not Specified	Mill Lane	Fluvial	Records / EA suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency and EA meeting minutes	Flooding of roads and properties north of Hildenborough. Riding Lane and Vines Lane. Also Brookmead Estate. The EA explained that there are flooding issues where the Hilden brook crosses a road.
A	None specified	Vines Lane	Fluvial	EA suggested that properties may have been affected	Environment Agency	EA Meeting Minutes	The EA explained that there are flooding issues where the Hilden brook crosses a road.
A	2000, 2002, 2003	Riding Lane	Fluvial	EA suggested that properties may have	Environment Agency	EA Meeting Minutes	The EA explained that there are flooding issues where the Hilden brook crosses a road.

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Receptor, see Table C 4	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisatio n)	Source supplied data (report)	Comments
				been affected			
A	22/02/2010	Riding Lane	Surface Water	There are records of property being affected by flooding.	KCC Highways	KCC Highways P1 Dataset	Water flowed down the road onto the drive and block paving. There was a ditch on the road opposite and camber in the road which prevented rain from falling into the ditch. Water may have flowed from farm opposite.
A	08/01/2011	Riding Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	The carriageway was flooded. Some properties were lower than the road; potential risk of flooding.
A, B	Regular	Riding Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot, A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012
A, B	2012	Riding Lane	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC was requested to clear flood water and cleanse gullies/jet lines to prevent further flooding.
B	22/02/2010	Riding Lane	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Reports of water flowing into the road instead of its usual route through a pipe, under the pavement, to the ditch.
B	Regular	Hildenborou gh Village green	Surface Water	There are records of approximately 3 properties adjacent to the green being	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Runoff from open space. Parish council scheme did not proceed.

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Receptor, see Table C 4	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisatio n)	Source supplied data (report)	Comments
				affected by flooding.			
B	Not Specified	Coldharbour Lane	Fluvial	Records / EA suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency and EA meeting minutes and EA meeting minutes	Prolonged and intense rainfall gave rise to flooding from the Medway at Hildenborough, Yalding and Wateringbury. The EA explained that there are flooding issues where the Hilden brook crosses a road.
B	29/08/2009	Knowsley Way	Other/Unkno wn	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Reports of water all along the road. It flowed constantly down the road and the source was unknown.
B	2012	Foxbush	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding; there are records of external flooding (foundations of a property).	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC were called to clear highway gullies and drains, it is not clear from the records if these were blocked. Records describe highway water flowed under a property into foundations.
B	2012	Foxbush	Sewer	Records describe that the curtilage of one property was affected	Southern Water	initial_summary.csv	Flooding caused by overloaded pumping station
B	2012	Mount Pleasant	Sewer	Records describe that the curtilage of 13 properties were affected	Southern Water	initial_summary.csv	Hydraulic Overload

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Receptor, see Table C 4	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
B, C	09/02/2009	Tonbridge Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Records describe that at three locations on this road water was "spurting" out, due to blocked gullies.
B, C	2012	Tonbridge Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC was requested to clear flood water and cleanse gullies and jet connecting pipe-lines through at this location.
C	09/02/2009 and 2013	Tonbridge Rd at the Hilden Park Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Records describe water spurting out at three locations due to blocked gullies. Flooding this year, thought to be a highway drainage problem, needs discussion with KCC Highways.
C	1968	Leigh Road	Fluvial	This record indicates that flooding was	Environment Agency	Environment Agency Comments on the Draft Stage 1 report.	
C	09/02/2009	Leigh Road	Fluvial	This historic record does not specify property flooding; there are records of external flooding (garden).	KCC Highways	KCC Highways P1 dataset	Garden flooded and water was approaching house.
C	Regular	Leigh Road, Hildenborough	Groundwater	This historic record does not specify property flooding; there are records of approximately 17 gardens	Tonbridge and Malling Borough Council	TM SWMP flood history.xls and the <i>Data Validation and Action Plan Workshop (14/03/2013)</i>	Scheme (Early Action Grant) to intercept surface water from fields implemented but groundwater and overflowing pond still proved to be a problem. <i>Records of flood events going back 30-35 years, however key partners were unsure of the source of flooding.</i>

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Receptor, see Table C 4	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisatio n)	Source supplied data (report)	Comments
				being affected by flooding.			
C	Oct-00	Hilden Park	Fluvial	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls and <i>Data Validation and Action Plan Workshop (14/03/2013)</i>	Houses were built in Medway floodplain, TMBC investigation in 2000 <i>Upon investigation all gullies were all blocked</i>
C	2012	Leigh Road	Sewer	Records describe that the curtilage of two properties were affected	Southern Water	initial_summary.csv	Hydraulic Overload
C	Not Specified	Stocks Green Primary School	Fluvial	This record did not specify if a property was affected by this incident	Environment Agency	An old record from the Environment Agency	Flooding from watercourse, Hildenborough.
C	Not Specified	Brookmead	Fluvial	Records suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency	Flooding of roads and properties north of Hildenborough. Riding Lane and Vines Lane. Also Brookmead Estate.
D	Regular	Powder Mills	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot, A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012
D	2012	Powder Mills	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC was requested to remove floodwater, cleanse gullies and jet lines.

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Receptor, see Table C 4	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisatio n)	Source supplied data (report)	Comments
E	25/02/2010	Higham Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Road flooded.
E	25/02/2010	Shipbourne Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Reports that the northbound carriageway was flooded.
E	26/02/2010	Shipbourne Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	There was flooding across the whole of the carriageway.
E	Not specified	A227 Starvecrow Corner, Shipbourne Road, Tonbridge	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Highway flooding caused by silt blocking gullies.
E, F, H	Regular	Shipbourne Road	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot, A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012
E, G	12/02/2009	Higham Lane	Surface Water	There are records of a property being affected by flooding	KCC Highways	KCC Highways P1 Dataset	It was reported that water flowed along Higham Lane and entered a property.
F	Regular	White Cottage Road	Surface Water	This historic record does not specify property	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot, A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012

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Receptor, see Table C 4	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
				flooding			
F	2012	White Cottage Road	Surface Water	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC was called to provide a super sucker to empty a soakaway in the front garden of a property. Reports state that a 20m length of hose was needed.
F	1958, 1968	Shipbourne Road	Fluvial	EA specify that ~ 50 properties are at risk.	Environment Agency	<i>EA Data Validation and Action Plan Workshop (16/04/2013)</i>	EA described a problem with flooding in the Pen Stream in 1958 and in 1968
F	None specified	Pen Stream (Upper)	Fluvial	This historic record does not specify property flooding	Environment Agency	EA Meeting Minutes	EA explained that this was a problematic ditch/Critical Ordinary Watercourse (COW), through Tonbridge. EA explained that there is no detailed modelling of this watercourse and they would like to see this modelled in the future
G	22/11/2011	Dodd Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding; there are records of external flooding (driveway).	KCC Highways	KCC Highways P1 Dataset	A drain was blocked which caused water to go up a drive of a property.
G	1966, 1968, 1984, 1987	Darwin Drive/Grange Farm, Tonbridge	Fluvial	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Highlighted by TMBC to have flooded frequently in the past.
G	Aug-01	Darwin Drive/Grange Farm, Tonbridge	Surface Water with Blocked gullies/drains	There are records of approximately 24 houses being flooded	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Records describe surface water runoff, blocked highway drains & Pen Stream causing flooding. TMBC carried out an investigation in 2004

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Receptor, see Table C 4	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisatio n)	Source supplied data (report)	Comments
				as well as approximately 60 gardens being affected by flooding.			
G	Sep-58	Leigh to East Peckham	Surface Water	There are approximately 446 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	Outline was taken from 1968 cabinet maps (1958 hatched outline). 1958 flood event largely surface water flooding and local drainage issues.
G	None specified	Pen Stream (Upper)	Fluvial		Environment Agency	EA Meeting Minutes	EA explained that this was a problematic ditch/Critical Ordinary Watercourse (COW), through Tonbridge. EA explained that there is no detailed modelling of this watercourse and they would like to see this modelled in the future
G	29/07/2008	Knight Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	A Gully was blocked, water travelled down the road into the junction with Whistler Road. The gully on Knight Road could not cope with excess flows and surcharged a muddy discharge.
G	2009	Off Cornwallis Avenue	Sewer	Records describe that the curtilage of one property was affected	Southern Water	initial_summary.csv	Hydraulic Overload
H	14/11/2009	London Road	Fluvial	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Both sides of road flooded.

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Receptor, see Table C 4	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
H	10/11/2008	Chiltern Way	Surface Water	This historic record does not specify property flooding; there are records of external flooding (garage).	KCC Highways	KCC Highways P1 dataset	Road flooded, water coming into garden and threatening property.
H	Regular	Tonbridge Sportsground	Fluvial	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Hilden Brook conveyance problem, Leisure facilities disrupted, problem on Fairlawne Estates land.
H	Regular	Yardley Close, Tonbridge	Surface Water	There are records of properties in Yardley Close being affected by flooding.	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Gullies failed to intercept surface water on steep carriageway.
H	None specified	Darenth Avenue, Hildenborough	Fluvial	EA suggested that properties may have been affected	Environment Agency	EA Meeting Minutes	The EA explained that there are flooding issues where the Hilden brook crosses a road.
H	None specified	London Road	Fluvial	EA suggested that properties may have been affected	Environment Agency	EA Meeting Minutes	The EA explained that there are flooding issues where the Hilden brook crosses a road.
H	Regular	Bordyke	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot, A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012

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Receptor, see Table C 4	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisatio n)	Source supplied data (report)	Comments
H	13/11/2009	Mill Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Completely flooded across the road and across the pavement.
H	2011	Off Shipbourne Road, close to Cage Green Road	Sewer	Records describe that the curtilage of one property was affected	Southern Water	initial_summary.csv	Hydraulic Overload
H	2012	Salisbury Road	Sewer	Records describe that the curtilage of one property was affected	Southern Water	initial_summary.csv	Hydraulic Overload
H	2009	Off Hadlow Road	Sewer	Records describe that one property was affected internally and the curtilage of one property was affected	Southern Water	initial_summary.csv	Flooding caused by overloaded pumping station
H	2010	High Street	Sewer	Records describe that the curtilage of one property was affected	Southern Water	initial_summary.csv	Hydraulic Overload
H	2008	Mill Lane	Sewer	Records describe that the curtilage of two properties were affected	Southern Water	initial_summary.csv	Hydraulic Overload

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Receptor, see Table C 4	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisatio n)	Source supplied data (report)	Comments
H	Not Specified	Postern Lane	Fluvial	Records suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency	Main river flooding from Leigh to Allington, September 1968.
I	2012	Vale Road / Sanderson Way	Sewer	Property was not affected by this incident	Southern Water	initial_summary.csv	Flooding caused by overloaded pumping station
I	2012	Tannery Road	Sewer	Records describe that the curtilage of one property was affected	Southern Water	initial_summary.csv	Hydraulic Overload
I	2009	Danvers Road / Holford Street	Sewer	Records describe that the curtilage of one property was affected	Southern Water	initial_summary.csv	Hydraulic Overload
I	2009, 2012	Barden Road	Sewer	Records describe one incident of flooding in a cellar and the curtilage of one property was affected	Southern Water	initial_summary.csv	Hydraulic Overload
I	2010	Priory Road	Sewer Surface water	Records describe that the curtilage of one property was affected	Southern Water	initial_summary.csv	Hydraulic Overload of surface water sewer.

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Receptor, see Table C 4	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
I	2010	Waterloo Road	Sewer Surface water	Records describe that the curtilage of one property was affected	Southern Water	initial_summary.csv	Hydraulic Overload of surface water sewer.
I	2009	Baltic Road	Sewer	Records describe that the curtilage of one property was affected	Southern Water	initial_summary.csv	Hydraulic Overload of surface water sewer.
I	13/11/2009	Baltic Road	Surface Water	There are records of a property being affected by flooding.	KCC Highways	KCC Highways P1 dataset	Records show that flood water levels reached 2 feet in depth and water entered a property after flowing off the road.
I	Not Specified	Baltic Road	Sewer	This record does not specify property flooding	Southern Water	<i>Data Validation and Action Plan Workshop (14/03/2013)</i>	There is an underground tank underneath Baltic Road, which is described as Southern Water's asset. Key partners explained that this tank was not included within Southern Waters records and suffered from a lack of maintenance.
I	10/02/2009	Dowgate Close	Surface Water	This historic record does not specify property flooding; there are records of external flooding (surrounding 2 properties).	KCC Highways	KCC Highways P1 dataset	Reports of a large amount of water gushing down the road (after a period of heavy rainfall). A garden was flooded and floodwaters nearly entered into two properties.
I	09/10/2009	Albany Close	Surface Water	There are records of a property being affected by flooding.	KCC Highways	KCC Highways P1 Dataset	Records of water entering a property.

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Receptor, see Table C 4	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisatio n)	Source supplied data (report)	Comments
I	10/02/2009	Brook Street	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 dataset	Reports describe water flooding the road.
I	06/07/2009	Sussex Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 dataset	Both drains were blocked due to heavy rainfall and water was gushing out of the drains and flowing across the road and downhill. This resulted in the footpath being flooded.
I	09/09/2011	Sovereign Way	Other/ Unknown	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	There was a water leak and the carriageway flooded, the pavements were lifted up.
I	10/02/2009	Danvers Road	Fluvial	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 dataset	Records of a road being flooded.
I	09/02/2009	Avebury Avenue	Fluvial	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	River Medway rose 2.5 feet above normal, footbridge almost submerged; sandbags were required by footbridge at Avebury Avenue.
I	06/12/2010	Barden Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Two gully drains at this location were blocked due to roadwork's rubble being swept into drains (located at junction with Cromer Street).
I	01/08/2008	Quarry Hill Road	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 dataset	Reports of an ongoing problem with this drain being blocked.

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Receptor, see Table C 4	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
I	Oct-00	Tonbridge Town Centre	Surface Water	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	No flooding information.
I	Jan-08	Tonbridge, Brook Street	Sewer	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Blocked SWS outfall; Brook Street & Haysden Lane were closed; Southern Water is believed to have modified grating.
I	Regular	Bournemill Cottages/Oast, Tonbridge	Fluvial	There are records of approximately 3 properties being affected by flooding.	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	KCC culvert capacity in question
I	Not specified	Jnc. Holford Street & Danvers Road, Tonbridge	Fluvial	This historic record does not specify property flooding	Tonbridge and Malling Borough Council	TM SWMP flood history.xls	Records show that there was highway flooding.
I	None specified	Woodgate Way	Fluvial	Records suggest a commercial property was affected in the past.	Environment Agency	EA Meeting Minutes	EA described flood was due to a flashy watercourse and an undersized culvert. A local business has built a defence to protect their property
I	Not Specified	Priory Road	Fluvial	Records suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency	The 'Railway Bell' Public House in Priory Road; extensive drying out and cleaning resulted. Water entered at the Priory Street/Priory Road junction end. Possibly worsened by lack of maintenance to Botany Stream outfalls.

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Receptor, see Table C 4	Date (Month/Year)	Location (Area/Road/Street etc)	Source	No. of properties affected	Source supplied data (organisation)	Source supplied data (report)	Comments
I	Not Specified	Priory Road	Fluvial	Records suggest that properties may have been affected by this incident	Environment Agency	An old record from the Environment Agency	A major flood at the Railway Bell Pub at Tonbridge, Priory Road, affected the Cellar and all ground floor areas. Bar area carpet was replaced. Flooding may have been facilitated by lack of maintenance to Botany Stream outfalls.
I	Regular	Quarry Hill Road	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot, A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012
I	Regular	Quarry Hill Road	Surface Water	This historic record does not specify property flooding	KCC Highways	Drainage Hotspots.xlsx-KCC Highways	This location was highlighted as a drainage hotspot, A drainage hotspot is defined as a flood prone section of the highway network Definition taken from Guidance on the HMEP 2012
I	10/02/2009	Holford Street	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Records describe that sandbags were requested for the whole street.
I	23/01/2009	Tudeley Lane	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Records show that water reached a depth of 6 - 8 inches which affected car exhausts.
I	22/11/2009	Albany Close	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	The carriageway was described as completely flooded at this location and water was fast-approaching kerb level, outside Albany Close.
I	23/01/2009	Tudeley Lane	Surface Water	This historic record does not specify property	KCC Highways	KCC Highways P1 Dataset	Records show that water reached a depth of 6 - 8 inches which affected car exhausts.

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Receptor, see Table C 4	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisatio n)	Source supplied data (report)	Comments
				flooding			
I	22/11/2009	Located outside Albany Close Tonbridge Kent.	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	Carriageway was completely flooded at this location and water was fast-approaching kerb level, outside Albany Close.
I	2012	Lavender Hill	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC Highways were called to remove floodwater from this location and to jet and cleanse blocked gullies and drains.
I	2012	Pembury Grove	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	Tonbridge & Malling 2012 P1.xls	KCC was requested to clear floodwater, cleanse gullies and jet interconnecting lines to next gully.
J	19/06/2008	London Road	Surface Water	This historic record does not specify property flooding	KCC Highways	KCC Highways P1 Dataset	The B245 was flooded and chunks of tarmac that came up off the surface were lying in the road.
J	2012	Bank Lane	Surface Water with Blocked gullies/drains	This historic record does not specify property flooding	KCC Highways	Sevenoaks 2012 P1.xls	KCC was requested to clear flood water, cleanse gully and jet lines through to the outfall in the ditch.
J	2001	A26	Fluvial	EA did not suggest that properties were at risk, only the road	Environment Agency	EA Meeting Minutes	EA explained there is a controversial proposal to widen the A21 and increase the culvert capacity. However the EA are not convinced this will be beneficial to the flood issues across this road

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Receptor, see Table C 4	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisatio n)	Source supplied data (report)	Comments
D and J	Nov-60	Medway, Tonbridge	Fluvial	There are approximately 172 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	Flood outline was taken from the Report on Flood conditions in the Upper Medway Division Nov - Dec 1960.
J	Nov-60	Medway Tonbridge to Laddingford	Fluvial	There are approximately 811 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	Flood outline was taken from the Report on Flood Conditions in the Upper Medway Division 1960; this was supported by Photographs and newspaper cuttings. A total of 233 premises are described as being at risk from flooding.
J	Nov-63	Medway, Tonbridge to Laddingford	Fluvial	There are approximately 359 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	The outline was digitised from cabinet maps.

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Receptor, see Table C 4	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisatio n)	Source supplied data (report)	Comments
J	Nov-67	Medway, Tonbridge	Fluvial	There are approximately 161 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	Historic flood outline in HFM Folder (start and end date of event in Nov 1967 unknown)
J	Sep-68	Medway	Fluvial	There are approximately 2545 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and NRD	Environment Agency	Environment Agency Historic Flood Maps	Main source of flood outline is from cabinet maps and some other sources of reference such as newspaper articles in Historic Flood Map folder.
J	Oct-00	Medway,	Fluvial	There are approximately 79 properties that may be affected by flooding based on the GIS files provided by the EA historic outlines and	Environment Agency	Environment Agency Historic Flood Maps	Outline was produced from the Autumn 2000 Floods Review Report and flood levels. Aerial photographs, ground level photographs were used to support this outline.

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Receptor, see Table C 4	Date (Month/ Year)	Location (Area/Road/ Street etc)	Source	No. of properties affected	Source supplied data (organisatio n)	Source supplied data (report)	Comments
				NRD			