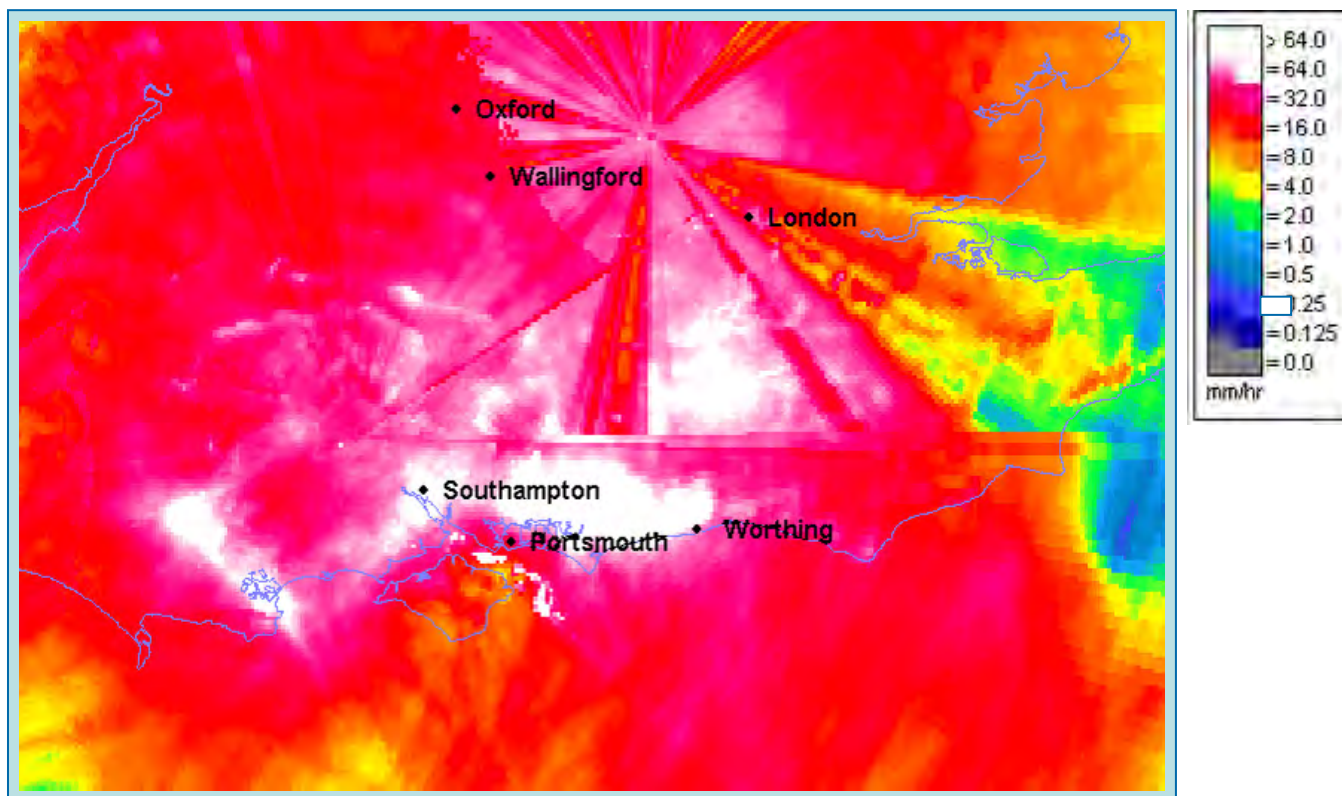


# West Sussex County Council Report on June 2012 Flood Event.

November 2012

Radar Accumulation.



Rainfall for Southern England between 1200hrs 10<sup>th</sup> June and 0000hrs 12<sup>th</sup> June 2012.

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## **Foreword.**

During the 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> June 2012, an extreme rainfall event led to widespread flooding across parts of West Sussex. Almost 800 properties were affected by flooding from a variety of sources. In terms of property numbers, the worst affected areas were across the Manhood Peninsula, Bognor Regis, Littlehampton and Worthing. The Bognor Regis conurbation, which includes Middleton on Sea, Elmer and Felpham had reports of up to 370 properties flooding and are thought to have been flooded primarily by surface water.



West Sussex County Council has worked closely and continues to do so, with professional partners at all levels and this has been a key part of the response to the flood event. Now, as part of the continued recovery effort, we are working in partnership with flooded communities, Parishes, District and Borough Councils, Environment Agency, Southern Water Services and the National Flood Forum to help those who have been worst affected by the flooding.

This report is the beginning of an ongoing process which the County Council will continue to drive. Whilst it does not hold all the answers to the problems that occurred in June it does set out what needs to be done and the challenges that we all face and will only resolve through working together.

Louise Goldsmith  
Leader of West Sussex County Council

**Acknowledgement.**

Our thanks must go to our professional partners, in this case, the Environment Agency (EA), Arun District Council (ADC), Adur District Council (AdDC), Chichester District Council (CDC), Worthing Borough Council (WBC), Southern Water Services (SWS) and the National Flood Forum (NFF) for the help and information supplied by them for this report.

## **1. Executive Summary**

The summer of 2012 saw unprecedented weather conditions with flooding experienced in many parts of the country. West Sussex recorded some of the highest rainfall with 192% above average for April to September and 400% for June in the Bognor to Chichester area. In comparison it suffered less than some areas with minimal infrastructure damage, the biggest impact was the flooding of 780 properties with some families still waiting to return to their homes.

As the Lead Local Flood Authority, West Sussex County Council, WSCC is required to investigate significant flooding events. Consequently following the June floods it formed a multi-agency group comprising the Environment Agency, Southern Water Services, Arun District Council, Chichester District Council and Worthing Borough Council to investigate the event.

This report focuses on the events of 10<sup>th</sup> to 12<sup>th</sup> June 2012 which recorded storm frequencies of 1 in 200+ years. The worst affected area was between Worthing and the Hampshire border with the Bognor to Chichester area recording the highest rainfall. This significant rain event overloaded much of the local drainage network and caused flooding of such magnitude that it attracted media attention at national level. The impacts of the flooding highlighted the inter-dependency of the various drainage elements.

The coastal plain surface water drainage network predominantly outfalls to the sea, it is generally flat and tide locked twice a day. Any sustained rainfall will result in flooding to some degree with surface water finding the lowest point of relief. Modern surface water drainage systems are generally designed to frequencies of 25 years to 100 years. Consequently, not unexpectedly many systems were overwhelmed causing flooding in vulnerable low areas. Flood water generally dissipated over 2 or 3 days with no significant infrastructure damage.

Notwithstanding, the June flooding has highlighted various weaknesses in both the management of drainage and the drainage infrastructure itself, some of which have or are in the process of being resolved, others will require further detailed work and / or investigation.

The key issues and actions emerging from the investigation are:

- Undertake an information campaign on the importance of drainage and individual responsibilities.
- Building on the work of the National Flood Forum, encourage more community action groups to assist in the wider management of drainage matters.
- Identify responsibility for all elements of the drainage infrastructure, a Drainage Asset Register is already in the process of development.

- Continued support for Parish Councils and local communities through the Community Flood Fund in 2013/14 to deal with local flood issues.
- Review of drainage maintenance standards for high risk locations – WSCC and EA.
- The Local Flood Risk Management Strategy (LFRMS) is currently being prepared and will form the mechanism for objective decision making in respect of drainage issues on planning applications.
- Sustainable Urban Drainage Approval Body (SAB) – this is outstanding legislation to be enacted within the Flood and Water Management Act, it is expected that this will provide the mechanism to enforce the finance and provision of adequate drainage by developers – was expected Autumn 2012 now deferred to 2013/14.
- Development on known high risk flood areas – future management through the Local Flood Risk Management Strategy (LFRMS) and SUDS Approval Body (SAB), once enacted.
- Funding of repair and improvement at locations identified through this flood investigation for which the County Council are responsible.
- Continued funding of £1m Annual Drainage Programme for new, improvement and refurbishment of highway drainage systems.
- A process should be established to enable Parish Councils to report all drainage problems through their Borough or District Council representatives. These representatives will feed directly into the West Sussex Flood Risk Management Group (Appendix A).

## 2. Glossary and Acronyms.

<b>Term/Acronym</b>	<b>Definition</b>
ADC	Arun District Council.
AdDC	Adur District Council.
A&WC	Adur & Worthing Councils (Adur District Council and Worthing Borough Council working in partnership).
Affected Property	The term 'affected property' was used as opposed to 'internal flooding' as the various sources of data collected following the event often had varying information about the degree of flooding experienced at the property.
AWO	Adverse Weather Office
CDC	Chichester District Council.
Cluster	A group or concentration of affected properties. For the purpose of this report the properties will have suffered internal flooding.
Combined Sewer	A separate underground pipe system designed specifically for transporting sewage, excess rain and surface water from houses, commercial buildings and roads for treatment or disposal.
Culvert	A culvert is a watercourse that has been enclosed in a structure such as a pipe.
Defra	Department for Environment, Food and Rural Affairs.
EA	Environment Agency.
FGS	Flooding Guidance Statement.
Fluvial Flooding	Flooding resulting from water levels exceeding the bank level of a river or stream.
Foul Sewer	A separate underground pipe system designed specifically for transporting sewage from houses and commercial buildings for treatment or disposal.
FWMA	Flood and Water Management Act 2010 The FWMA implements the recommendations from Sir Michel Pitt's Review of the floods in 2007 and places a series of responsibilities on the council. The main aim of the Act is to improve flood risk management.

GIS	Geographical Information System is a system designed to capture, store, manipulate, analyze, manage and present all types of geographical data.
Groundwater Flooding	Flooding that occurs when water levels in the ground rise above surface levels. Most likely to occur in areas underlain by permeable geology.
IDB	Internal Drainage Board. An Internal Drainage Board is a public body that has been established under statute in areas of special drainage need. An IDB holds permissive powers to undertake work to deal with matters affecting water levels, land drainage and flood risk within a defined boundary. The Environment Agency act as the IDB within West Sussex.
IDD	Internal Drainage District An Internal Drainage District is an area of special drainage need, managed by an Internal Drainage Board.
Isohyet	A line drawn on a map connecting points that receive equal amounts of rainfall.
LLFA	Lead Local Flood Authority – Local Authority responsible for taking the lead on local flood risk management. In this area it is West Sussex County Council.
Main river	A watercourse or river shown as such on the Environment Agency Main River Map, and for which the Environment Agency has responsibility and powers.
National Flood Forum	The National Flood Forum is a national charity dedicated to supporting and representing communities and individuals affected by or at risk of flooding.
Ordinary Watercourse	All watercourses that are not designated Main River are considered to be Ordinary Watercourses and are the responsibility of landowners. N.B. Ordinary Watercourse does not imply a “small” river, although it is often the case that Ordinary Watercourses are smaller than Main Rivers.
PFRA	Preliminary Flood Risk Assessment The Preliminary Flood Risk Assessment (PFRA) provides a high-level summary of significant flood risk, based on available information, describing both the probability and consequences of past and future flooding. A PFRA must consider flooding from surface runoff, ground water and ordinary watercourses, and any interaction these sources may have with main rivers.
Pitt Review	Comprehensive independent review of the 2007 summer floods by Sir Michael Pitt, which provided recommendations to improve flood risk management in England.



Pluvial flooding	Flooding from water flowing over the surface of the ground; often occurs when the soil is saturated and natural drainage channels or artificial drainage systems have insufficient capacity to cope with additional flow.
PPS25	Planning and Policy Statement 25: Development and Flood Risk.
Professional Partners	Arun District Council, Adur District Council, Chichester District Council, Environment Agency, Southern Water Services, Worthing Borough Council, West Sussex Fire and Rescue Service and National Flood Forum.
Public Sewer	A drain serving two or more premises owned or adopted by the sewerage undertaker, in this case Southern Water Services.
Riparian Landowner	If you own land or property next to a watercourse i.e. a river, stream, culvert or ditch, then you are a 'riparian landowner' and have riparian responsibilities.
Risk	In flood risk management, risk is defined as a product of the probability or likelihood of a flood occurring, and the consequence of the flood.
RFCC	Regional Flood and Coastal Committee. An RFCC is an executive committee established by the Environment Agency under the Flood and Water Management Act 2010 through which the EA performs its flood and coastal erosion functions.
SAB	SuDS Approving Body.
Sewer flooding	Flooding caused by a blockage or overflow in a sewer or urban drainage system.
SFRA	Strategic Flood Risk Assessment. A study to examine flood risk issues on a sub-regional scale, typically for a river catchment or local authority area.
Soil Moisture Deficit (SMD)	SMD is the difference between the amount of water actually in the soil and the amount of water that the soil can hold.
SRF	Sussex Resilience Forum. The SRF is a partnership of the Emergency Services, Health, Local Authorities, Government Agencies and Departments, and the Voluntary Sector. Working together to make Sussex a safer place for the whole community under the remit of the Civil Contingencies Act 2004.
Stakeholder	A person or organization affected by the problem or solution, or interested in the problem or solution.

SuDS	Sustainable Drainage System. A drainage system designed to control surface runoff close to where it falls and mimic natural drainage as closely as possible.
Surface runoff	Rainwater (including snow and other precipitation) which is on the surface of the ground (whether or not it is moving), and has not entered a watercourse, drainage system or public sewer.
Surface Water Sewer	A separate underground pipe system designed specifically for transporting excess rain and surface water from houses, commercial buildings and roads for treatment or disposal. May outfall to nearby watercourses or direct to the sea.
SWMP	A Surface Water Management Plan is a plan which outlines the preferred surface water management strategy in a given location.
SWS	Southern Water Services.
WBC	Worthing Borough Council
WSCC	West Sussex County Council.
WSF&RS	West Sussex Fire and Rescue Service.
West Sussex Strategic Flood Risk Management Board	Made up of senior officers from WSCC, all Borough and Districts Councils, EA and Southern Water. The group's role is to take a strategic overview of the entirety of flood risk and drainage management across West Sussex.
West Sussex Flood Risk Management Group	The group comprises WSCC, the EA (Southern & Thames), Southern Water Services and all the Borough and District Councils within West Sussex. Its role is to plan and act to reduce the risk and consequence of flooding now and in the future in West Sussex.

### **3. Introduction.**

This report has been prepared, by West Sussex County Council. It was deemed necessary to conduct an investigation into the flood event in June 2012 as there was significant internal and external flooding at multiple locations across West Sussex some of which had experienced flooding on more than one occasion.

The aim is for the conclusions of each report to clarify the roles and responsibilities of all parties involved and suggest solutions or actions that may be taken to resolve the problem. Where one or more organisations are jointly responsible, we would suggest that they work closely and share resources.

Our duty to investigate does not guarantee that flooding problems will be resolved and WSCC cannot force other professional partners into action.

#### **3.1 The Pitt Review and Flood & Water Management Act.**

Following the widespread flooding of June & July 2007 the government appointed Sir Michael Pitt to conduct an investigation into the response and recovery from this event. The final report was published in June 2008. As a result of this review the Flood and Water Management Act (2010) (FWMA) passed into law. This Act redefines, and clarifies the roles of the numerous bodies that have a part to play in the identification and managing of flood risk. It also designates the unitary or upper tier authority for an area as the Lead Local Flood Authority (LLFA).

One of the duties placed on the LLFA is to, where it considers appropriate, investigate and report on incidences of flooding.

#### **3.2 Criteria for investigating floods in West Sussex.**

WSCC has agreed with our professional partners criteria for investigating flooding within West Sussex. Our criteria for investigation are detailed in Appendix B.

#### **3.6 Understanding flood risk.**

The Environment Agency (EA) is the lead authority on flooding from rivers and the sea in England and Wales and they have a strategic overview on all sources of flooding. As the lead authority, the EA has experience of assessing flood risk and working to reduce the impacts of flooding on people and property.

The Environment Agency produces detailed computer models which assess flood risk and the outputs of these models goes towards painting a picture of flood risk and providing an understanding of this risk in a given area. The EA Flood Map shows areas at risk of flooding from rivers and the

sea. Since its initial development in 2004, the flood map is updated whenever better; more up to date information becomes available. In addition to areas at risk of flooding from rivers and the sea, the flood map also shows the locations of flood defences and areas which benefit from these.

The Flood Map is designed to raise awareness among the public, local authorities and other organisations of the likelihood of flooding, and to encourage people living and working in areas prone to flooding to find out more and take appropriate action. The Flood Map is available on the EA website.

In addition to the Flood Map, the EA has also commissioned modelling to assess the risk of surface water flooding. In 2009 JBA Consulting carried out an assessment of this and produced a model known as 'Areas Susceptible to Surface Water Flooding'. This modelling was carried out in response to the summer 2007 floods which affected large parts of country and was the first modelling of its kind on a national scale in England & Wales. The modelling was carried out as a high level assessment and was intended to give an indication of areas which could be affected by surface water flooding as opposed to property level risk.

In 2011, the EA commissioned a new model to build upon the 2009 work and provide a more detailed assessment of surface water flood risk. The 'Flood Map for Surface Water' as it is known, took into account local drainage networks and looked at different rainfall intensities. This model, although still a relatively broad scale assessment did provide more detail than the 'Areas Susceptible to Surface Water Flooding'.

Both surface water flood maps were supplied to the Local Authorities and provided a starting point for their more detailed assessment of surface water flooding within their areas.

Because drainage systems quickly became full to capacity during the June event, WSCC have found that the **Areas Susceptible to Surface Water Flooding** maps have almost exactly mirrored the flooding witnessed during the event.

## **4. Background to the June event.**

### **4.1 2012 Weather Conditions.**

This year's weather has seen one extreme to another. The first quarter of the year saw on going dry conditions affecting most of England in the early spring which prompted a series of emergency meetings with government considering the issuing of drought orders. In April, seven water companies across southern and eastern England brought in hosepipe bans after two unusually dry winters left some groundwater supplies and rivers as low as in the drought year of 1976.

No sooner had the restrictions been implemented then the weather turned, recording record rainfall across the UK in April, West Sussex recorded 200% over average rainfall during April.

Rain continued to fall resulting in rainfall figures of 192% over average for April to September that showed it was the second wettest summer on record since 1912. The Bognor – Chichester area recorded 430% over average rainfall for June and 188% for July.

Similar wet weather was suffered throughout the country with flooding experienced across parts of Devon, Essex and Suffolk during May and parts of Mid-Wales, Isle of Wight, West Sussex, Lancashire, Cumbria and West Yorkshire during June.

### **4.2 How the June weather pattern evolved**

During 10<sup>th</sup> - 11<sup>th</sup> June, a small but active area of low pressure tracked slowly east through the English Channel, eventually becoming slow moving for almost 24 hours near the Sussex coast. To the north and west of the low pressure there were some areas of persistent, heavy rain linked to an occluded frontal system. As the low became slow moving so did the rain with the same areas seeing heavy rain for many hours. The worst affected areas were Hampshire and West Sussex but significant rainfall also occurred in East Sussex.

There were two main elements that led to the flooding during this event:

- Warm, moist air through a large depth of the atmosphere, making large amounts of moisture available,
- Slow moving nature of the low pressure meaning several hours of heavy rain occurred in the same areas.

The impact of these factors meant that prolonged heavy rain fell over some areas for 12 to 24 hours. Some places in West Sussex received over 100mm of rain, most of which fell in 16 hours. The average for the whole month is normally around 50 - 60mm.

### **4.3 Rainfall**

Rain began falling on 10<sup>th</sup> June during the early afternoon across most areas of Sussex, this then started tracking west throughout the course of the day entering East Hampshire late afternoon, early evening. This then continued without interruption for at least 24 hours in worst affected parts. Even with a relatively large soil moisture deficit (SMD) at the beginning of the event, the sheer volume of rainfall over a short period meant that excess runoff was generated leading to much of the flooding.

The rainfall was persistent in most areas, but in West Sussex there were two increases in rainfall intensity leading to some notable totals within relatively short time periods.

The Flood Forecasting Centre issued several Flood Guidance Statements (FGS) prior to the event, none of which initially picked up on the severity of the rainfall in the area. On 9<sup>th</sup> June the outlook for Solent & South Downs was Green, indicating very low risk of flooding.

This remained the case throughout the rest of Saturday, with the 15:00hrs update again indicating Green for the 5 day outlook.

The 10:30hrs Flooding Guidance Statement (FGS) on Sunday 10<sup>th</sup> revised the alert status for the South East of England and elevated to Yellow, indicating a Low risk of flooding during Monday with Sunday still remaining Very Low risk. There was an indication however that this outlook may change on the later update.

The Sunday morning Forecast Meteorological Data started to show an increase in the maximum expected rainfall totals as well and showed potentially 80mm during the course of Sunday evening into Monday lunchtime for Sussex.

By Sunday evening there was a significant development with the FGS, and an Amber alert was issued for Monday beginning at 00:00hrs. This indicated a Medium risk of flooding from surface water was possible. This FGS was issued after a teleconference from the Flood Forecast Centre at 22:00hrs stating a substantial increase in rainfall totals was possible.

The 23:00hrs FGS (Figure 1) showed that the majority of Sussex and eastern parts of Hampshire could expect very heavy bursts of rain, which were likely to bring significant disruption.

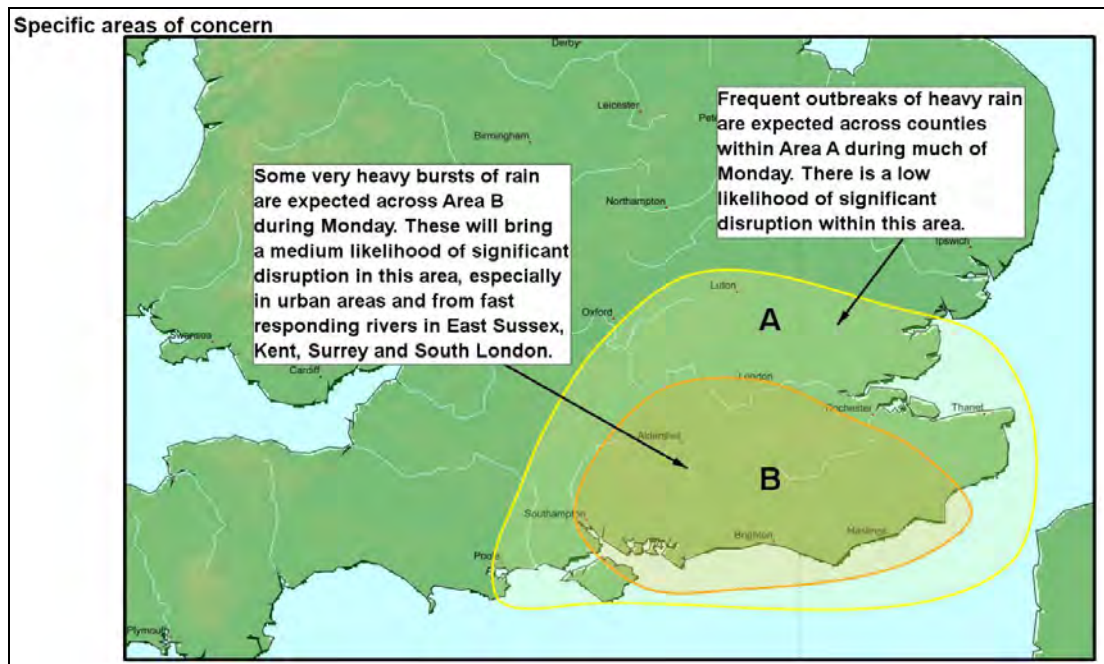


Figure 1 Flooding Guidance Statement areas of concern 10<sup>th</sup> June at 23:00hrs.

The general trend showed that once Monday was over the forecast was set to improve throughout the course of the week. Although there were some Yellow alerts on the FGS these did not amount to anything significant and no further serious rain fell from Tuesday 12<sup>th</sup> onwards.

#### 4.4 Raingauges

The Environment Agency (EA) rain gauge network across Sussex and Hampshire recorded extreme amounts of rainfall between Sunday 10<sup>th</sup> June and Monday 11<sup>th</sup> June. The rain gauge at Bognor Regis recorded the highest totals with 114mm falling over the whole event. This event gave the highest 24 hour rainfall totals recorded at Bognor since EA records began there in 1974. This is the kind of rainfall event we would statistically expect once in every 200 years (or a 0.5% chance of occurring in any one year). According to Met Office figures, the average months' rainfall for June in Bognor Regis is 50mm. This puts into context the scale of the rainfall event that occurred.

In addition to the EA gauge network, there were numerous other observations of extreme totals across West Sussex. The Met Office recorded 65mm falling at Wiggonholt Common between 19:00hrs on 10<sup>th</sup> June and 16:00hrs on the 11<sup>th</sup> June. Their network also recorded 61mm falling at Thorny Island and 58mm at Shoreham. Bognor Regis Town Council recorded nearly 170mm at their town weather station, a rain gauge at Sefter Farm, Pagham recorded 171mm and the Channel Coast Observatory recorded 178mm at their Worthing Pier gauge. These figures although not substantiated by the EA are supplied from reputable sources and should be treated as fairly credible. This would indicate nearly a 60mm spatial variation over 1.4km which separates our gauge in Bognor Regis from the Council's. This could indicate extremely localised

convective cells i.e. due to atmospheric conditions the storm remained static over Bognor Regis, causing more intense rainfall at certain location.

The Sefter Farm, Pagham rain gauge has been reported as measuring total rainfall in June as an astounding 274mm. This was eight times the monthly seasonal average for the past five years.

Average Precipitation	Average monthly rain(mm) from Met Office records (1981-2010)	2012 Rain(mm, taken from EA reengage in Bognor Regis)	% of long term average
January	76.2	40	52
February	49.6	21.6	44
March	56.1	17.4	31
April	46.8	93.8	200
May	44.4	45.2	102
June	44	189	430
July	40.9	76.8	188
August	51.3	48.6	95
September	58.9	81.8	139

Figure 2 Bogor Regis rainfall data for period January – September 2012.

Figure 3 shows the Environment Agency rain gauge network across West Sussex and typical storm return periods during the event.

#### 4.5 River Responses

Although the majority of the property flooding which occurred over June 10<sup>th</sup> to 12<sup>th</sup> was as a result of surface water, there was some flooding which was directly linked to rivers. The Environment Agency provides a flood warning service which alerts members of the public and partner organisations in West Sussex, to the threat of flooding from rivers and the sea. During the June floods, Flood Alerts were issued for the River Arun, Adur, Rother, Ems, Bosham Stream and Aldingbourne Rife. A Flood Alert means flooding is possible and that people should be prepared. Flood Warnings were also issued in West Sussex for the Black Ditch at Lyminster, Aldingbourne Rife and Barnham Rife. A flood warning is normally issued when some flooding to properties is expected.

Not many properties are believed to have flooded solely from rivers. Much of the flooding was as a result of complex interactions between rivers and drainage systems exacerbated by the high volume of rainfall occurring over a short period of time.

The water levels in some of the rivers remained high for days after the rain had passed. This was particularly the case for the Aldingbourne Rife and the rife network on the Manhood Peninsula. Due to the flat, low lying nature of these catchments, it can take some days for water levels to drop, as there is not much gradient to carry the water away.



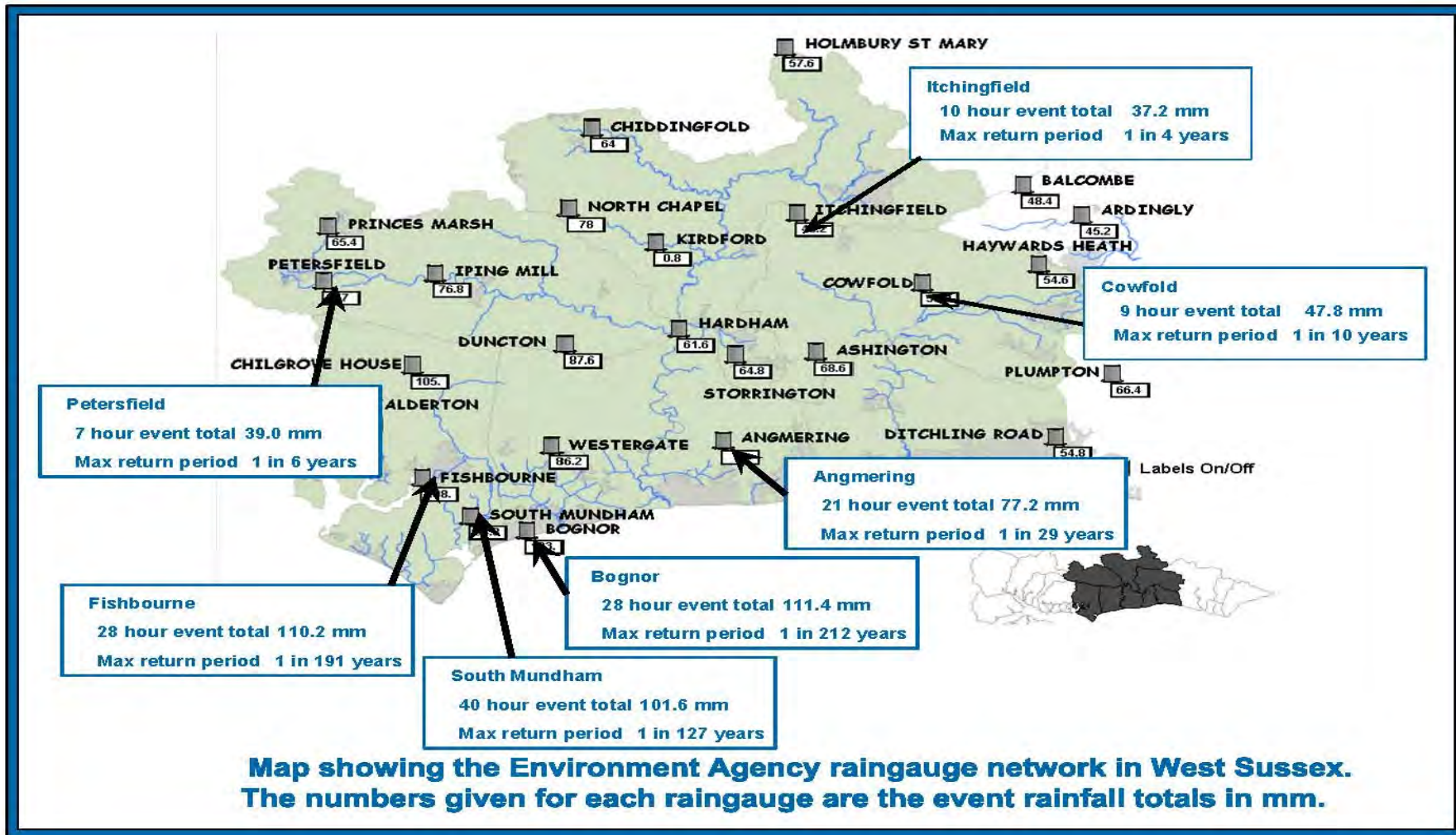


Figure 3 – Environment Agency rain gauge network across West Sussex.

## **5. Emergency Response**

### **5.1 West Sussex County Council Response**

Below is a record of the information received and actions taken by WSCC leading up to, during and after the June event.

1030am (09 June 2012) - Flood Guidance Statement received from National Flood Forecasting centre, indicating very low risk of flooding for West Sussex in following days.

1030am (10 June 2012) - Flood Guidance Statement revised, indicating a very low risk of flooding on Sunday (10th) increasing to a low risk of flooding for Monday (11th June).

1100pm (10th June 2012) - significant development with the flood guidance statement and an amber alert was issued indicating a medium risk of surface water flooding resulting from very heavy bursts of rain.

4.30am (11th June) - Adverse weather teleconference called by the Environment Agency with WSCC and other agencies confirming heavy rainfall (32 to 63 mm) across Sussex (63mm in Bognor Regis, 55 mm in Shoreham). Rain was expected to ease from 06:00, but heavy showers expected again from midday.

The heavy rainfall that followed resulted in flood incidents across much of the Manhood Peninsula, Bognor Regis, Littlehampton and Emsworth; disrupting roads, hospitals, and schools, and triggering the evacuation of residents and significant effort to protect life and property across the county.

Teams from across the professional partners responded to the incidents to protect and alleviate impacts to the community and support recovery including;

- Identification of vulnerable persons.
- Support to evacuated residents (Transport & Welfare).
- Facilitating alternative accommodation for damaged schools to continue operation.
- Contact with public and media to keep them updated on the incident.
- Protecting premises to ensure vital services could continue.
- Supporting pumping operations and mitigating flooding to highway.

The response of our professional partners can be found in Appendix C.

### **5.2 Debrief undertaken by West Sussex County Council after the event**

A structured debrief was undertaken by West Sussex County Council on 2nd July 2012 to evaluate the response. This identified various areas of

good practice, and areas for improvement in our response. Thirty seven recommendations have been made from this report and include;

- Improvements to the way in which WSCC communicate to the public both in terms of warnings, incident updates and advice. Also how WSCC collect information from the public to better inform our responses, and advice to the public
- Improvements to the way in which the county council manages an incident including incident management structures, facilities, information flow and resource allocation
- Improvements to the working arrangements between the county council and its partner agencies to facilitate a coordinated response
- Review of risk assessments and response plans for all areas at high risk, to develop a clear understanding of infrastructure (e.g. underground pipes, drainage ditches etc.) and responsibilities. Give consideration to Pre-planned pumping and protection arrangements at flooding hot spots
- Improvements to levels of emergency planning and business continuity within schools and residential care facilities to be able to better cope with emergencies and protect their vulnerable clients
- Establishment of a clear policy on sandbag provision, allocation, priority and delivery approach, and to ensure this is clearly communicated to the public to promote self-preparedness.
- Development of community resilience activities to encourage the establishment of local flood wardens, parish councils etc. to provide network for information sharing and response coordination, and explore needs to support this (e.g. Provision of warning signs etc).

These recommendations are being acted upon and taken forward by the county council to improve response to future events.

It was also noted that during the event the response of the professional partners was not limited to their element of responsibility. For instance Southern Water mobilised a large number of tankers and pumps to reduce the impact on a non prejudice basis in areas with limited or no public surface waters sewers.

### **5.3 Sussex Resilience Forum**

RAB Consultants were commissioned by Sussex Resilience Forum (SRF) to undertake a multi-agency debrief for the emergency responders in Sussex following the flooding of June 2012. This was to focus on the multi rather than single agency response, and how this could be improved.

This report concluded on some of the significant issues that affected the response to the flooding incident and made the following recommendations;

1. To review the purpose and role of the Adverse Weather Office (AWO), in terms of requirement, role, fit into the overall command and control structure, resourcing, and embedding into the multi-agency response arrangements of partners.

2. To review the SRF Multi-agency Flood Plan, and that it be updated at regular intervals to ensure that contact details, procedures and information are up to date.
3. That all responders review their flood plans, giving consideration to the lessons from the June 2012 events, particularly the response to surface water flooding, and that pro-active discussions with the Flood Forecasting Centre and Met Office Public Weather Services Advisor should feature highly when making advanced decisions on preparations and escalation of response.
4. In the face of uncertainty, to adopt the ethos of 'Think Big, Act Early!'
5. To agree a formal protocol for multi-agency teleconferences (AWO and Flood Advisory Service) and that this is tested.
6. To facilitate improved sharing of flood related information and data amongst risk management authorities in order to improve the planning and response to flooding incidents and adhere to the Flood and Water Management Act 2010, Sections 13 and 14. (This could take the form of service level agreements between parties).
7. Local authorities should give consideration to broadening the skills base of staff across other parts of their business to be able to respond to flooding incidents in the future.
8. That information and data gathered during and after the flooding of June 2012 is shared amongst all risk management authorities in Sussex to enable better planning and response.
9. To increase understanding of the capabilities of the voluntary sector, and that the 'Water response and rescue capabilities database' maintained by West Sussex Fire and Rescue (referred to in the MAFP) should be accessible to other responding agencies and updated at regular intervals.

These recommendations are being acted upon by the SRF to improve response to future events.

## **6. Investigation Areas.**

### **6.1 Identification of 'Properties Affected' and 'Cluster' areas.**

The areas and impacts, which the June Flooding affected, were wide and far reaching. It ranged from individual properties in rural locations to multiple homes in urban areas. In the aftermath of the flooding, data collection was key and a database or definitive list of affected properties and areas was compiled. Data was collated from all sources including West Sussex Highways, EA, District and Borough Councils, Southern Water, Parish Councils, National Flood Forum and West Sussex Fire and Rescue. This information was used to map where properties were affected and subsequently prioritise the focus of this investigation.

The term 'Properties Affected' was used as opposed to 'internal flooding' as the various sources of data collected had varying information as to the degree of flooding experienced. Our original request was for information regarding properties that had suffered 'internal flooding'. However, it was clear from some of the data collected that we were receiving information about all types of flooding i.e. garden, outbuildings, garages etc. Therefore, the number of 'properties affected' stated will be higher than the actual number of internally flooded properties.

All 'Properties Affected' were mapped using a Geographic Information System (GIS) which enabled groups or 'clusters' to be identified. There was perhaps unsurprisingly a clear correlation between amount of rainfall recorded and where property was affected. This can be seen in Figure 4. It was agreed by the post June Floods Working Group of WSCC, EA, ADC, A&WBC, CDC and SWS that the areas which would take priority for the scope of this investigation would be those that suffered the highest number of properties affected.

Appendix G contains a complete list of affected properties. Limited resources and the extent of the flooding experienced in June means WSCC will never be able to investigate every property that was affected by the event. But, since June WSCC has been working with many Parish Councils and local communities, not individually indentified in this report, to reduce the risk of future flooding across the county.

The identified 'clusters' that this report will focus on are shown in Figure 5 and are as follows:

- |                                     |                        |
|-------------------------------------|------------------------|
| 1 - Middleton and Elmer.            | 9 - Manhood Peninsula. |
| 2 - Felpham.                        | 10 - Central Worthing. |
| 3 - Littlehampton.                  | 11 - West Worthing.    |
| 4 - East Preston.                   |                        |
| 5 - Barnham.                        |                        |
| 6 - West Bognor Regis.              |                        |
| 7 - Central Bognor Regis & Bersted. |                        |
| 8 - West Chichester and Fishbourne. |                        |

The table below shows the number of 'affected properties' in the identified 'clusters'.

<b>Location of Flooding ('Clusters')</b>	<b>Properties affected</b>
West Chichester – Parklands / Fishbourne Road East area / Fishbourne	28
Manhood Peninsula	110
Littlehampton – South Terrace area	85
East Preston	36
Barnham	16
West Bognor Regis	32
Central Bognor Regis & Bersted	140
Felpham	43
Middleton and Elmer	152
West Worthing	19
Central Worthing	17
Others	102
<b>Total</b>	<b>780</b>

Best efforts have been made to ensure these figures are as accurate as possible but it is unlikely that exact numbers will ever be achieved. Individuals may have chosen not to declare flooding through fear of increased insurance and property blight. Best efforts have also been made to remove duplicates from the different information sources.

# Isohyet map showing approximate rainfall coverage and properties affected during June 2012 flooding

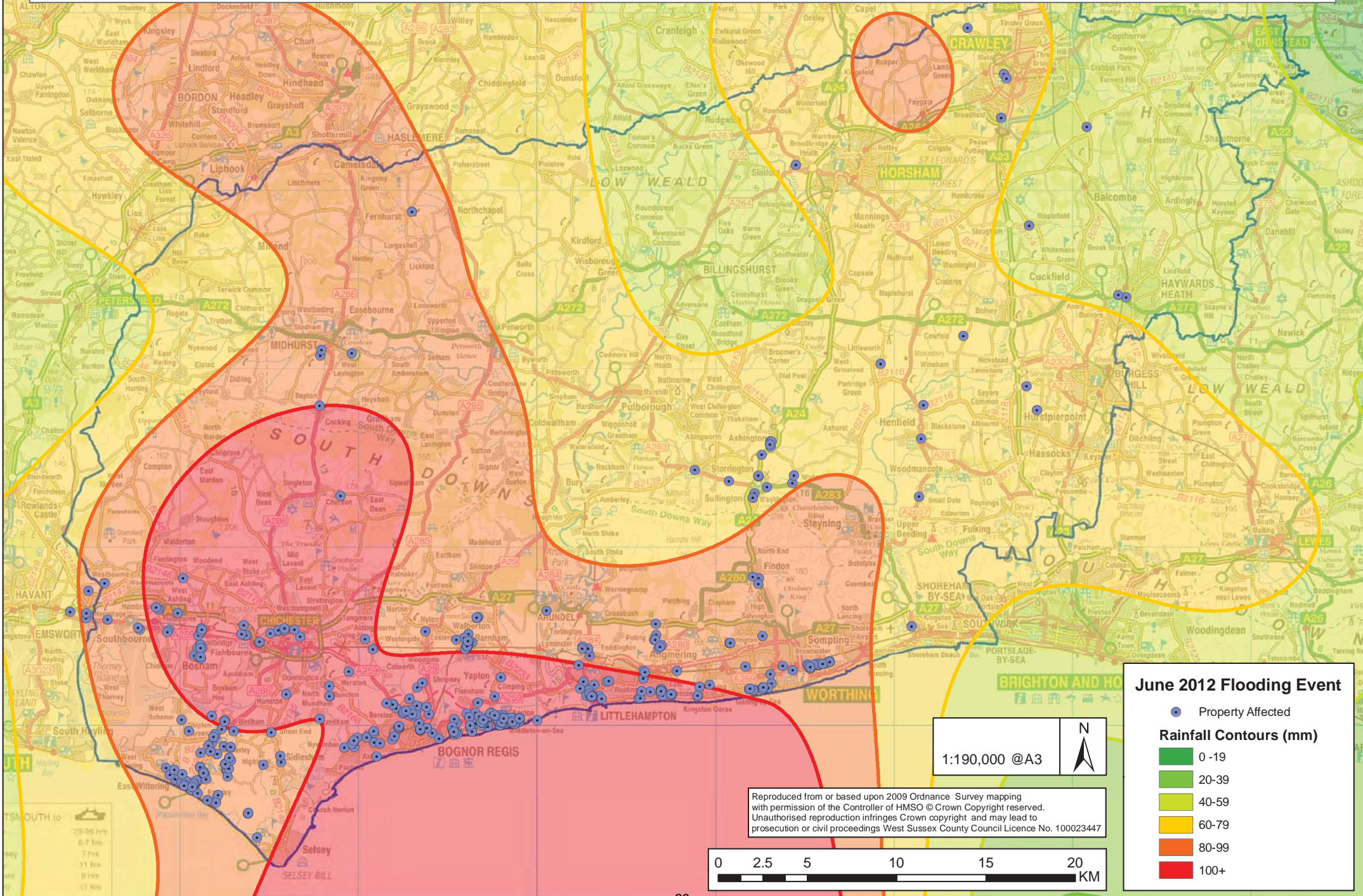


Figure 4. Typical Rainfall Coverage and 'Properties Affected'.

# June Flood Event - Identified 'Clusters'.

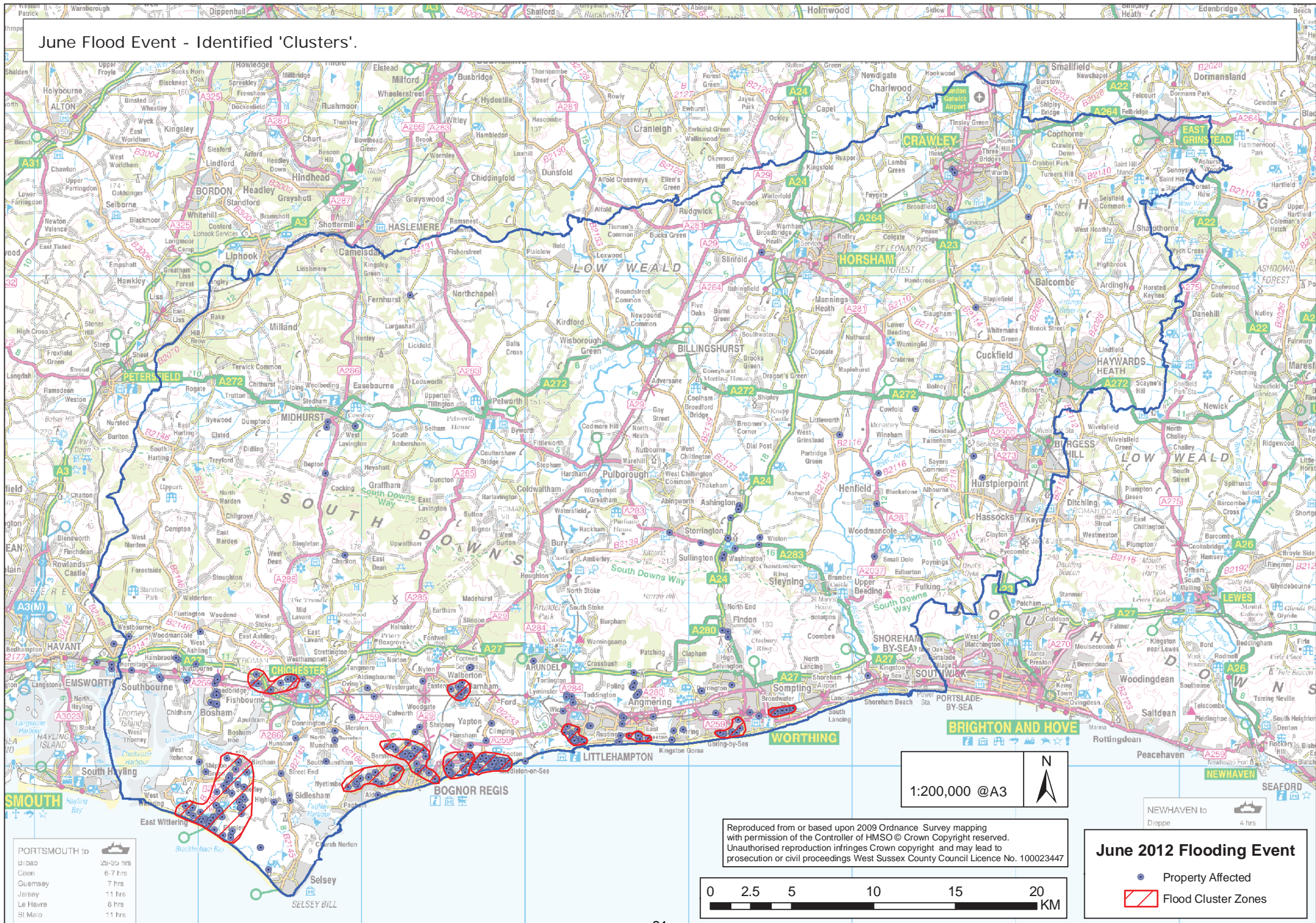


Figure 5. Identified 'Clusters'.



## **7. Investigation of Agreed Cluster Areas**

### **7.1 'Cluster 1' – Middleton and Elmer**

#### **7.1.1 Existing flood risk.**

Areas of Elmer and Ancton are shown to be at risk from river and sea flooding on the Environment Agency's **Flood Maps** (Figure 6). These areas, and additional areas in Middleton and Flansham, are also shown to be at risk from surface water flooding on the **Areas Susceptible to Surface Water Flooding** maps (Figure 7).

#### **7.1.2 Summary of the drainage system.**

Large areas of Middleton and Elmer are covered by private estates. The foul drainage throughout the area, is drained to Southern Water Services (SWS) public sewers that typically drain to pumping stations at Ancton or Elmer. The area has little SWS owned, public surface water drainage. Therefore, roof water will drain to either soakaways, watercourses, or may in some places be connected to the Southern Water's foul water system. The highway drainage for the adopted (public) roads drains to a dedicated system, which outfalls either direct to the sea or to watercourses. Typically the highway water on the private estates runs onto adjacent grass verges, drains to soakaways or watercourses.

#### **7.1.3 Performance of the Public Drainage System.**

The public foul drainage including the Wastewater Pumping stations operated as intended in both Elmer and Middleton with no indications of issues with these assets. In parts of Ancton additional diesel pumps were deployed by SWS to assist with the removal of high volumes of surface water impacting residents and the sewerage system.

#### **7.1.4 Areas affected.**

Lodge Close, Willowbrook and Ancton Lodge Lane

This area consists of predominantly private estates with the only public surface water sewer being one that drains Lodge Close (an adopted estate road), into the adjacent watercourse on the western boundary. The remaining surface water systems on the estates are privately owned, and therefore responsibility is that of the residents. WSCC highway drainage from Elmer Road and Meadow Walk also drains into this watercourse under an agreement with the estate owners in 1960.

The problems suffered in this area are generally the responsibility of 'Riparian Landowners'. The main issues have been identified previously by Arun District Council and confirmed by jetting and further investigation by WSCC following the June event. Problems identified are as follows:

- The culvert restriction under Ancton Lodge Lane. This is complicated by the apparent abandoning of the original culvert and flows now passing through the WSCC Highways culvert which is at a higher level.

- There has been some private building encroachment into the watercourse on the east of Ancton Lodge Lane. The watercourse is also heavily silted due to the higher level outlet. These factors have reduced the storage capacity and restricted the flow from the Lodge Close piped outlets.
- There is a possible restriction of the watercourse between Ancton Lodge Lane and Willowbrook ie. poorly constructed culvert/levels.
- The open watercourse within Willowbrook is heavily silted and is reducing storage and affecting flow carrying capacity.
- The outlet from Willowbrook is to the north through a culvert in the rear gardens of Ancton Close. The condition of this private pipe is currently unknown. There is a grille covering the entrance to this pipe which may have been partially blocked but obviously was not visible.
- The culvert continues across Elms Farm and finally outfalls into the ditches on the north side of Ancton Lane; these ditches are in the Internal Drainage District (IDD) which is administered by the Environment Agency (EA). Based on some of the observations made in relation to silt levels and blockages of pipes, it is recommended that further investigations are made in this area and an updated maintenance plan is agreed by the Environment Agency and Arun District Council.
- These ditches used to discharge into the sea at Elmer, via the Ryebank and Elmer Rife's. However, more recent investigation suggests that this now drains to Felpham Aldingbourne Rife during normal flow conditions.

The recently completed Elmer Sands Surface Water Management Plan (SWMP) identified that the Elmer Rife has historically discharged at a slow rate. This is thought to be as a result of a shallow gradient of the rife, coupled with the restricted length of time that the Rife can discharge between high tides. The proposed actions from the SWMP should now be investigated further to determine the best approach to manage this risk in the future. On June 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup>, the EA were out on site to clear the Elmer Rife weedscreen of any blockages that may have been present. This is their standard operational response, where there is a raised flood risk from blockages on a water course which has a slow discharge rate.

All of the existing highway drainage system in the area has been jetted and cleansed subsequent to the June event. Much of the system outfalls into private ditches and culverts. These are the responsibility of 'Riparian Landowner'. As highlighted above much work does need to be done with the local community to improve the standard of the land drainage in the area.

#### Central Drive, West Drive and Southdean Close

The flooding in the Central Drive, West Drive and Southdean Close area of Middleton all appears to be as a result of a lack of highway drainage. These are private roads and natural soakage into the ground will normally be adequate but on extreme events there will inevitably be some flooding. The house roof drainage in the area is also probably into soakaways which

will obviously not work in the extreme situations that arose. The problem will only be exacerbated if soakaways are not regularly maintained. We have also been told, but can find no evidence, that there may be a private outfall to sea which appears not to function any more.

Southdean Drive, St Nicholas Lane, Elmer Road, Lucking Lane and Tuscan Avenue

Southdean Drive/St Nicholas Lane/Tuscan Avenue is a similar problem as to Central Drive, etc, but exacerbated by the infilling of a ditch in the rear gardens of the properties on the western side of Southdean Drive, adjacent to the recreation ground. This ditch used to intercept surface water run off from the playing field. A short section of ditch still exists and discharges through a culvert that runs through the church carpark and churchyard, but there may be root intrusion issues in this culvert? The culvert then passes under Elmer Road, collecting highway drainage on route, before flowing through a WSCC maintained culvert under what appears to be a large storage ditch to the west of Lucking Lane. During the June event the section of culvert from Elmer Road north to the Lucking Lane footway was flowing slowly, this may indicate a problem with this section of culvert. The ditch above was very overgrown and in need of maintenance. There is thought to be connecting links between the ditch and the culvert beneath. WSCC have recently undertaken clearance of this ditch and revealed a significant amount of dumping from adjacent properties. This culvert, then discharges into the IDB ditches on the north side of Ancton Lane. It is believed from initial investigations that the IDB ditches are silted up and have standing water most of the year, which results in a restricted discharge from the culvert. The Environment Agency who act as the IDB in the area, will work closely with the other relevant authorities to investigate these potential issues further and develop a plan of maintenance to address them.



Figure 8 – Elmer Road, Middleton-on-Sea.

Photo:EA

## Elmer Sands Estate

Residents have reported that much surface water ran overland into the estate from the fields to the North, from the Ancton Lodge Lane area, along Elmer Road and along Kingsmead Road.

The infilled ditch at the rear of 54 The Layne and under Ancton Way Public Right of Way may also have had an impact.

As some of the adjoining watercourses fall within the IDD, the EA will lead on investigating the maintenance of these and develop a planned programme of works to reduce the risk of flooding from these IDB watercourses.

The recently completed Elmer Sands Surface Water Management Plan (SWMP) identified most of the major issues within the estate. The SWMP outlined an action plan for dealing with the problems and WSCC, ADC, EA and SWS are committed to working with the residents to take this forward.

### **7.1.5 Recommendations and future actions**

- WSCC and SWS to progress work on the Surface Water Management Plan, SWMP for the Lidsey Catchment.  
(Winter monitoring of ground water and flow rates took place last winter (2011/12) and this exercise will be repeated this year before work starts in earnest on this study during 2013).
- The SWMP will additionally review the historical flows of the Rifes and the capacity of the culvert across the A259 at Comet Corner.
- Much of the existing highway drainage system within the area outfalls into private ditches and culverts. These are the responsibility of 'Riparian Landowner'. WSCC to work with the local community and recently formed 'Flood Action Group' to improve the standard of the land drainage in the area.
- WSCC, ADC, EA and SWS are committed to working with the residents of the Elmer Sand Estates to take forward the recommendations of the recently complete 'Surface water management plan'.
- WSCC and SWS to review the existing land drainage to understand and mitigate the impact on the waste water pumping station at Sea Lane, Middleton.
- SWS to increase the resilience of the flap valve on the Sea Lane, Middleton surface water sewer outfall and included increased operational inspection.

- SWS to update and completed a detail surface water investigation into Hannah's Groyne so as to understand capacity and any future works required.
- WSCC / SWS / EA to work with the local community to identify the need for 'Local Community Flood Wardens'.



Figure 9 – Willowbrook, Middleton-on Sea.

Photo:EA

## **7.2 'Cluster 2' – Felpham**

### **7.2.1 Existing flood risk.**

The existing lower laying areas to the east and west of Wedgwood Road are shown to be at risk from river and sea flooding on the Environment Agency's **Flood Maps** (Figure 6). These areas are also shown to be at risk from surface water flooding on the **Areas Susceptible to Surface Water Flooding** maps (Figure 7).

### **7.2.2 Summary of the drainage system.**

Within the affected areas Southern Water Services (SWS) own and maintain the sewer network. Much of the adopted road network is served by both foul and surface water SWS sewers. However, the private estate roads within the area are only served by SWS foul water sewers. Many of the areas affected have no positive SWS surface water drainage. Therefore, roof water will drain to soakaways or may in some places be connected to the Southern Water foul water system.

The highway drainage for the adopted road network in the area drains to a dedicated system; this outfalls direct to near by watercourses.

### **7.2.3 Performance of the Public Drainage System.**

The public foul drainage including the pumping stations operated as intended within this area with no indications of issues with these assets. The limited surface water system suffered with considerable inundation of the system. During the evening of 12<sup>th</sup> June, diesel pumps were located within Minton Road to help reduced the levels of flooding within this area.

### **7.2.4 Areas affected.**

Wedgwood Road, Minton Road, Davenport Road, Limmer Lane and A259 Felpham Way

These sites are linked in that a SWS surface water sewer passes from Felpham Way (A259) south through Hales Footpath, The Grove and the rear of Wedgewood and Berewecke Roads and discharges to sea via an outfall south of Davenport Road. The Felpham Way highway drainage flows into this SWS surface water sewer. It appears that the capacity of the outfall may have been an issue, this is being looked into by SWS consultant. With a storm return period for this event well in excess of the normal design capacity of a surface water sewerage system this appears to be a case of simple hydraulic overloading. Due to the extremity of the event the storage volume available was insufficient.

There are a number of possible problems with the system which require further investigation:

- The outfall is 'tide locked' twice a day and hence the system requires a storage capacity during the high tide periods – this was partially provided in the 1970's by the installation of an oversize pipe with an overflow ditch above the pipe in the Wedgewood, Minton and Davenport Road areas. This pipe and overflow ditch replaced the original natural watercourse on the same line. The overflow ditch was

originally contained in land separate from the adjacent properties but has now been enclosed within some gardens and it appears the storage capacity has been reduced, due to infilling, etc. SWS have arranged for a consultant to investigate this system on their behalf and a report is being produced.

- The pipe sizing and valve arrangements within the chamber on the greensward at the head of the outfall is also part of the current investigation being carried out for SWS.
- About 10 years ago there were problems with tree roots blocking the SWS surface water sewer under Hales Footpath, just south of the A259. This was addressed at the time by SWS and is now on a regular jetting and root cutting programme. The A259 did drain down fairly quickly when the Davenport Road area was pumped clear which indicates that the flow remains reasonable in this pipe.
- Ley Road ditch was historically connected to this system via the highway drain in Felpham Way. This may have offered additional storage capacity within the system, which has now been lost due to infilling and a lack of maintenance to the ditch and associated culverts. There are currently works ongoing to reconnect this system and WSCC/ADC/Landowners are working together in this respect.

A joint survey of the complete surface water sewerage and highway drainage system in Felpham Way should be carried out by WSCC and SWS in order to identify any potential restrictions such as roots or siltation.

Over the years some of the development to the north of the A259 has increased the flow through the SWS surface water system. The storage capacity during 'tide locked' periods is currently being checked by SWS consultant.

It should be noted that the current new development, Site 6, by Barratt Homes and others to the north does **not** drain to this system.



Figure 10 – A259 Felpham Way, Felpham.

Photo:EA

### **7.2.5 Recommendations and future actions**

- WSCC / ADC / Landowner to complete works to reconnect existing ditch adjacent to Ley Road.
- SWS consultant to complete investigations and report into capacity and condition of existing sea outfall south of Davenport Road. Any recommendations to be taken forward by SWS.
- WSCC / SWS to carry out a survey of the complete surface water sewerage and highway drainage system in Felpham Way in order to identify any potential restrictions such as roots or siltation.
- SWS have undertaken root cutting along Hales footpath and are organising a camera survey to determine any potential further works.
- SWS to draw up an operational contingency plan to over pump from the outfall chamber south of Davenport Road.
- WSCC / SWS / EA to work with the local community to identify the need for 'Local Community Flood Wardens'.



### **7.3 'Cluster 3' – Littlehampton**

#### **7.3.1 Existing flood risk.**

South Terrace, New Road, Clifton Road, Pier Road, St Catherines and most of Fitzalan Road are shown to be at risk from river and sea flooding on the Environment Agency's **Flood Maps** (Figure 11). South Terrace, New Road, Clifton Road, St Catherines and Fitzalan Road are also shown to be at risk from surface water flooding on the **Areas Susceptible to Surface Water Flooding** maps (Figure 12).

#### **7.3.2 Summary of the drainage system.**

Within the affected area Southern Water Services (SWS) own and maintain the sewer network. The area is primarily served by a mixture of foul, surface water and combined sewers. All of the dedicated SWS surface water sewers appear to outfall directly to the sea via outfalls to the River Arun in Arun Parade. The highway drainage for the area connects to the SWS surface water or combined sewers.

#### **7.3.3 Performance of the public network**

The public foul drainage including the Wastewater Pumping stations (Foreshore and Sea Road WPS) operated as intended in Littlehampton with no indications of issues with these assets. Both sites were manned during the event to ensure continuous operation. During the event additional diesel pumps were deployed to assist with the removal of high volumes of surface water impacting residents and the sewerage system.

#### **7.3.4 Areas affected.**

South Terrace, New Road, Fitzalan Road, Clifton Road, Pier Road and St Catherines

Much of the flooding in Littlehampton appears to be from foul/combined systems becoming inundated by surface water initially. This was then added to when surface water systems became overwhelmed and the flow was transported above ground via roads into property. Southern Water are looking into the area in-depth but it appears to be a genuine case that the system was in full working order but was overwhelmed by the quantity of water.

#### **7.3.5 Recommendations and future actions**

- SWS to review and determine work required at Foreshore and Sea Road Wastewater Pumping stations to ensure robustness of operation at these locations. This will include the consideration of new pumps for the Foreshore WWPS.
- SWS to install a small micro-pumping station within Pier Road (the lowest part of catchment) to reduce future risk of foul flooding if the system is surcharged.

- SWS to complete drainage model for Littlehampton catchment, as soon as possible, to understand and determine future investment needs due to growth and possible future flooding.
- WSCC to investigate the possibility of diverting excess surface water from South Terrace into the 'Oyster Pond.

## **7.4 'Cluster 4' – East Preston**

### **7.4.1 Existing flood risk.**

Properties affected by the June event are not shown to be at risk from river and/or sea flooding on the Environment Agency's **Flood Maps** (Figure 11). Existing lower laying areas within East Preston are shown to be at risk from surface water flooding on the **Areas Susceptible to Surface Water Flooding** maps (Figure 12).

### **7.4.2 Summary of the drainage system.**

Southern Water Services (SWS) only have a foul sewer network with the affected area.

The highway drainage for the adopted road network drains to a dedicated system; this outfalls direct to the sea at the southern end of Sea Lane.

### **7.4.3 Performance of the public network.**

The public foul drainage operated as intended, a partial collapse was found following a CCTV of the network. It is not believed this contributed to the widespread flooding in that area.

### **7.4.4 Area affected.**

Sea Lane

In the area of Sea Lane the initial concern was with the adequacy of the WSCC highway drainage system and if it had a positive outfall. WSCC have investigated and initial findings are encouraging with regards to the existing highway drainage system and the outfall. The investigation, post event, jetted the system from The Street to the outfall. A few minor problems were identified within the highway system and the necessary repairs are in hand. The condition of the privately owned ditch adjacent to Tamarisk Way was a cause for concern. As part of the investigation this length of ditch was cleared by WSCC. Subsequent rainfall events have shown that the highway system is working well, although the outfall remains buried!

Other factors contributing to flooding in the area include lack of positive highway drainage within the private estates, properties on soakaways which receive minimal maintenance and high ground water levels.

### **7.4.5 Recommendations and future actions**

- WSCC to carry out repairs identified within the highway drainage system.
- WSCC to carry out a level survey of the existing highway system at the southern end of Sea Lane, including the ditch, to ensure it has adequate gradient towards the sea outfall.

- WSCC to consider installing a suitable sized pipe within the existing ditch line adjacent to Tamarisk Way. Thus, removing ongoing maintenance issues with this section of the system.
- Although responsibility for the existing sea outfall is at this point unknown, WSCC will commission consultants to investigate the extension of this buried outfall. WSCC will also work with the local community to agree future maintenance responsibilities.
- SWS to carry out repair of partial collapse indentified on foul water system.

## **7.5 'Cluster 5' – Barnham**

### **7.5.1 Existing flood risk.**

Properties immediately adjacent to the Barnham Rife are shown to be at risk from river and/or sea flooding on the Environment Agency's **Flood Maps** (Figure 13). These areas are also shown to be at risk from surface water flooding on the **Areas Susceptible to Surface Water Flooding** maps (Figure 14).

### **7.5.2 Summary of the drainage system.**

Within the affected areas Southern Water Services (SWS) own and maintain the sewer network. The affected areas are only served by a Southern Water foul water sewer. These areas have no positive SWS public surface water drainage. Therefore, roof water will drain to soakaways, a watercourse or may in some places be connected to the Southern Water foul water system.

The highway drainage for the area drains to a dedicated system; this outfalls direct to near by watercourses.

### **7.5.3 Performance of the public network**

The public foul drainage operated as intended with additional tankers deployed to reduce the impact of surface water that arose from following high levels in the rife.

### **7.5.4 Areas affected.**

Lake Lane and Marshall Close

The flooding in Barnham during the June flood event is believed to have been a result of flooding from the Barnham Rife and sewer flooding. The Barnham Rife has a history of flooding and flood defence works have been carried out previously to help reduce the level of risk. There are a number of pinch points where flooding occurs. All the properties affected lie within the flood plain. The proposed Lidsey Catchment Surface Water Management Plan and the Aldingbourne & Barnham Rifles Strategy lead by the Environment Agency will look at this whole area in greater detail. Together, they will assess the causes of all forms of flooding, and develop a set of recommendations for addressing this risk in the future.

Further flooding in other areas of Barnham was prevented by Southern Water deploying tankers to strategic parts of the sewerage system and the EA field teams regularly clearing weed screens of debris.

### **7.5.5 Recommendations and future actions**

- WSCC and SWS to progress work on the Surface Water Management Plan for the Lidsey Catchment.  
Note: Winter monitoring of ground water and flow rates took place last winter (2011/12) and this exercise will be repeated this year before work starts in earnest on this study during 2013.

- EA to work in partnership with WSCC, SWS and ADC to develop the Aldingbourne & Barnham Rifes Strategy.
- SWS to complete the area drainage model for the Lidsey catchment. Thus, better understand and determine future investment needs due to growth and possible future flooding.

## **7.6 'Cluster 6' – West Bognor Regis (Rose Green / Aldwick)**

### **7.6.1 Existing flood risk.**

Properties affected by the June event are not shown to be at risk from river and/or sea flooding on the Environment Agency's **Flood Maps** (Figure 15). However, Hook Lane Close and Elizabeth Close are shown to be at risk from surface water flooding on the **Areas Susceptible to Surface Water Flooding** maps (Figure 16).

### **7.6.2 Summary of the drainage system.**

Southern Water Services (SWS) own and maintain the sewer network in the area of Hook Lane Close. The existing SWS surface water sewer only appears to serve Rossalyn Close and outfalls into a short section of watercourse adjacent to Hook Lane Close. Hook Lane Close has no SWS public surface water drainage. Therefore, roof water will drain to soakaways or may in some places be connected to the SWS foul water system. The highway drainage for the area drains to a dedicated system; which outfalls to the same watercourse as the Southern Water surface water system.

Southern Water Services (SWS) own and maintain the sewer network in the area of Elizabeth Close and Elizabeth Avenue. The highway drainage for the area drains to a dedicated system; which may outfall to an existing watercourse to the east of this development.

### **7.6.3 Performance of the Public Drainage System.**

The public SWS sewers operated as intended with no indications of issues with these assets.

### **7.6.4 Areas affected.**

#### Elizabeth Close

We have no records of the existing Southern Water sewer network in Elizabeth Close and the exact cause of the flooding is unknown in this area. Further investigation is required.

#### Hook Lane/Hook Lane Close

The exact cause of the flooding is unknown in this area but may be due to a combination of issues with highway drainage, land drainage and SWS sewers. A report was received, after the event, regarding surcharging of the foul sewer at the junction of Hook Lane Close and Rossalyn Close and one property suffered from a backup of foul sewerage internally. Investigations following the June event found problems with the existing highway drainage system. WSCC have almost completed work to rectify the problems identified in this area.

### **7.6.5 Recommendations and future actions**

- WSCC to complete the drainage repair works in the area of Hook Lane and Hook Lane Close.
- WSCC to work together with ADC to investigate further the cause of the flooding in Elizabeth Close.



## **7.7 'Cluster 7' – Central Bognor Regis and Bersted**

### **7.7.1 Existing flood risk.**

Generally areas adjacent to Aldingbourne Rife and its tributaries are shown to be at risk from river and sea flooding on the Environment Agency's **Flood Maps** (Figure 15). These areas are also shown to be at risk from surface water flooding on the **Areas Susceptible to Surface Water Flooding** maps (Figure 16).

### **7.7.2 Summary of the drainage system.**

Within the affected areas Southern Water Services (SWS) own and maintain the sewer network. The area is served by both foul and surface water SWS sewers. Much of the existing highway drainage within the residential estates is connected into the SWS surface water sewer which outfalls direct to near by watercourses.

The highway drainage for much of the A259, North Bersted Street and Rowan Way drains to a dedicated system; this outfalls direct to near by watercourses.

### **7.7.3 Performance of the Public Drainage System.**

The public SWS sewers operated as intended with no indications of issues with these assets.

### **7.7.4 Areas affected.**

#### Hook Lane and Neville Road

This area is drained by SWS public surface water sewers which discharge into an open watercourse which flows into the Aldingbourne Rife. This open watercourse is within the IDD. Discussions are underway between the EA, Southern Water, WSCC and Arun District council to investigate the current state of this watercourse and the best approach to manage the IDB watercourse going forward. This may lead to the EA (as the IDB operator in the area) carrying out further improvement works.

#### Frith Road and Pevensy Road

The exact cause is unknown in this area but may be due to a combination of issues with highway drainage, land drainage and SWS sewers. Further investigation work is needed to identify the key issues.

#### The Royal Oak Pub Area, Chichester Road and Bucksham Avenue

The exact cause is unknown in this area but may be due to a combination of issues with highway drainage, IDB ditches and SWS surface water sewers. Some Investigations have already been carried out in this area but have proved inconclusive. SWS recently cleaned by high pressure jetting their surface water sewers and WSCC have carried out similar work on the highway drains. No problems on either system were identified at the time. Further investigation work is needed to identify the key issues.

With a storm return period for this event well in excess of the normal design capacity for the surface water system, this currently appears to be a case of simple hydraulic overloading.

Laburnham School, Fairlands, Van Gogh Place, Greenwood Close and Greenwood Avenue

The exact cause is unknown in this area but may be due to a combination of issues with main river, land drainage and SWS surface water sewers. Further investigation work is needed to identify the key issues.

### **7.7.5 Recommendations and future actions**

- Much of the existing surface water system in the area discharges into open watercourses which then flow into the Aldingbourne Rife. EA, Southern Water, WSCC and Arun District council to investigate the current state of this watercourse and the best approach to manage the IDB watercourses going forward. This may lead to the EA (as the IDB operator in the area) carrying out further improvement works.

## **7.8 'Cluster' 8 –West Chichester and Fishbourne**

### **7.8.1 Existing flood risk.**

Only the area around Fishbourne Road East, Chichester is shown to be at risk from river and/or sea flooding on the Environment Agency's **Flood Maps** (Figure 17).

However, many of the affected roads in both Chichester, around Fishbourne Road East, Sherborne Road, Neville Road and Oliver Whitby Road and in Fishbourne, around the Blackboy Lane area, are shown to be at risk from surface water flooding on the **Areas Susceptible to Surface Water Flooding** maps (Figure 18).

### **7.8.2 Summary of the drainage system.**

Within the affected areas Southern Water Services (SWS) own and maintain the sewer network. Much of the area within West Chichester is served by both foul and surface water SWS sewers. The existing SWS surface water sewers are large diameter pipes, up to 750mm in places, and tend to 'criss cross' the Parklands development, following the original ditch lines.

The affected area within Fishbourne is only served by a SWS foul sewer. Both areas have a network of road gullies that drain the adopted roads. However, it is not clear at this stage how much of the existing highway drainage within the West Chichester area, if any, is connected into the SWS network and further investigation is required.

### **7.8.3 Performance of the public network.**

The public foul drainage was overwhelmed with surface water, but operated as intended.

### **7.8.4 Areas affected.**

Chichester, Parklands.

Parklands Road and Cedar Drive were affected by surface water flooding of property and gardens. Residents are concerned that the culverts and watercourses in this area are privately owned and therefore the responsibility of 'riparian landowners'.

Sherborne Road, Neville Road, Oliver Whitby Road, Langton Road and St Wilfrids Road were all affected by surface water flooding. Properties and gardens were flooded and Sherborne Road and Neville Road were flooded to a depth of approximately 300mm in parts. Much of this area suffered from surface water flowing along the road, from north to south, and settling at the low spots in Sherborne Road and Neville Road. A lot of water was seen to be flowing off Centurian Way on to Newlands Lane. However, this flowed directly into the SWS surface water system in the area and did not cause problems at this location.

Chichester, Fishbourne Road East and Apuldram Lane North.

Fishbourne Road East and Apuldram Lane North are all part of the same complex system servicing the west of Chichester and are known to flood

in extreme events. 4 properties in this area are known to have flooded in 1994, 2001, 2010 and now 2012.

The culvert under the A27 is of adequate size but maintenance is required to clear silt and possible obstructions. This work is being taken forward by the Highways Agency. The existing culvert in Fishbourne Road East, that takes the existing watercourse from the north, has been surveyed and is clear of any obstructions.

With a storm return period for this event well in excess of the normal design capacity for the surface water culvert in Fishbourne Road East, this currently appears to be a case of hydraulic overload.

WSCC have put together a package of 'quick win' improvement works that have been discussed with residents and will be implemented shortly. WSCC will also be commissioning a consultant to carry out a study of the catchment area to see what long term improvements could be made in this area.

#### Fishbourne, Salthill Road.

Two properties reported flooding, both stating that the water flowed off the road and into the property.

Salthill Road is currently the subject of a jetting and CCTV survey being carried out by the developer of new properties in Clay Lane. The results of this survey should be available shortly.

#### Fishbourne, Main Road.

Property and carriageway flooding was experienced in the area of Blackboy Lane and Old Park Lane. The affected properties are constructed lower than the adjacent road and it is believed that a 'ford' once crossed the road in this location. Much of the existing agricultural land in this area drains from the north into an existing culvert under the A259.

WSCC are currently working with Fishbourne Parish Council to see what improvements can be made to the existing drainage in this area. Part of this work also includes the inspection of the three culverts under the A259 in this area.

### **7.8.5 Recommendations and future actions**

- WSCC / CDC to work with the residents of Parklands Road and Cedar Drive to assess the condition of the privately owned culverts and watercourses in this area.
- WSCC to carry out further investigation in the Sherborne Road, Neville Road, Oliver Whitby Road, Langton Road and St Wilfrids Road area to try and understand the surface water drainage system, both SWS and WSCC highways, in this area.
- Highways Agency to clear silt and possible obstructions from existing culverts under the A27 and the A259, Fishbourne Road West.

- WSCC to carry out the proposed 'quick win' improvement works in Fishbourne Road East.
- WSCC to commission a consultant to carry out a study of the catchment area around Fishbourne Road East to see what long term improvements could be made in this area.
- WSCC to continue work with Fishbourne Parish Council to see what improvements, if any, can be made to the existing drainage in the area of Blackboy Lane and Old Park Lane.



Figure 19 - Fishbourne Road East.

Photo:WSCC

## **7.9 'Cluster' 9 – Manhood Peninsula (Earnley to Birdham)**

WSSC have not yet investigated this area in any detail as many of the affected areas within the Manhood Peninsula are subject to an independent review currently being carried out by 'Black and Veatch'.

The area is low-lying and relatively flat. There are few watercourses capable of dealing with excessive amounts of rainfall and ponding of surface water is a frequent occurrence. There is significant flood risk from the sea although this will largely been addressed by the EA's Medmerry Scheme.

### **EA Medmerry Investigation**

The EA have commissioned Black & Veatch, an independent consultant, to investigate if the Medmerry coastal realignment scheme contributed in any way to the flooding on the Manhood Peninsula. The communities in this area have expressed concerns that the scheme had an adverse effect on the drainage of the numerous rifes on the Peninsula, thereby making the flooding worse. The independent review will set out to investigate this and publish the findings in a transparent and open manner separately from this report.

The terms of reference for this investigation have been agreed with the affected communities, who have representatives on the project board. A report on the findings of the investigation is expected to be published in early 2013.

### **Earnley, Bookers Lane**

During the June 2012 floods, 22 properties flooded in Bookers Lane, Earnley. Prior to the floods, the Environment Agency had plans to build a diversion channel south of Earnley as part of the Medmerry realignment works. The local community contacted the Environment Agency to investigate the viability of extending the diversion channel to benefit the properties at risk of flooding in Bookers Lane and further upstream. The EA together with West Sussex County Council, Chichester District Council and the residents, have jointly raised sufficient funds to deliver these works and in doing so, reduce the flood risk in this area.

## **7.10 'Cluster' 10 – Central Worthing**

### **7.10.1 Existing flood risk.**

Properties affected by the June event are not shown to be at risk from river and/or sea flooding on the Environment Agency's **Flood Maps** (Figure 22). However, existing lower laying areas within the area are shown to be at risk from surface water flooding on the **Areas Susceptible to Surface Water Flooding** maps (Figure 23).

### **7.10.2 Summary of the drainage system.**

Within the affected area Southern Water Services (SWS) own and maintain the sewer network. The area is served by foul, surface water and combined SWS sewers. Much of the existing highway drainage within the residential roads is connected into the SWS surface water sewer.

### **7.10.3 Performance of the Public Drainage System.**

The public foul drainage including pumping stations operated as intended in Worthing with no indications of issues with these assets. SWS main treatment facilities were manned during this period. It is believed that in the Worthing catchment the flooding problem could have been exacerbated due to periodic operational failure at the Worthing Treatment Works, the impact of this was minimized as a SWS team was on site throughout the storm event to unblock pumps when required to ensure that the system was operating to maximum effect.

### **7.10.4 Areas affected.**

#### Central Worthing

Flooding seen within the central Worthing area i.e. over and along the route of the piped / culverted Teville stream is not new. The majority of the properties, gardens, roads and parkland in this area have been flooded previously. All of the flooding incidents east of the Hospital / Homefield Park contained sewage. This area forms part of the 'Worthing Surface Water Management Plan' study which is currently in progress.

The sewerage system in the east of Worthing is a combination of Foul Sewers, Combined Sewers and Surface Water Sewers. The Foul and Combined Sewers generally run towards the East Worthing waste water treatment works (WWTW), whilst the Teville Stream discharges into open water course at Chesswood Allotments where it immediately enters a culvert that runs to Brooklands Lake. The lake at Brooklands acts as a balancing facility, it is possible to increase the storage capacity by removing the weir boards at the outlet. On Monday 11<sup>th</sup> June high tide was around 5.00am at which point water was recorded  $\frac{3}{4}$  metre above the top of the weir boards. As tide levels dropped it was possible to remove the top board and by 3.00pm water levels in the Lake were around 1.2m lower than recorded at 5.00am

Following the event a meeting was held with Worthing Hospital representatives to discuss various flood related issues, in and around the hospital during this meeting:-

- Worthing Borough Council (WBC) was advised that it was as a result of surface water running across the car park area and over the level threshold.
- WBC was also advised that raised ground water levels forced water through cracks in the basement slabs and walls.
- It is also understood that the hospital have a series of vertical pipe drain extenders which are normally bolted over the drains in the basement to prevent surcharging and that this did not occur this time.

Homefield Park was filled with sewage contaminated water. Flooding was noted further east along the route of the Teville stream, flooding was reported in Ladydell Road, Mansfield Road and Halsbury Road and Davison School and Grounds. Anecdotal reports from residents who estimated the times that flooding affected their area would appear to indicate that flooding elsewhere appears to have occurred after the initial call to the hospital.

One point of interest, a property in Ladydell Road suffered garden flooding during the night of the 10<sup>th</sup> June. By 9.00am on the 11<sup>th</sup> this water was all gone, at around 5.00pm that evening the properties foul water manhole cover in the garden blew off and her garden was flooded with sewage. What mechanism was at work there? We are aware that around this time flood waters in Homefield Park were allowed to flow into the sewer system.

At the time WBC were informed that there were problems at East Worthing waste water treatment works, with ragging causing pump problems.

SWS have confirmed that in the Worthing catchment the flooding problem could have been exacerbated due to periodic operational failure at the waste water treatment works although it is understood from SWS that a team was on site throughout the storm event to unblock pumps when required to ensure that the system was operating to maximum effect.

The Environment Agency in partnership with Worthing Borough Council recently completed a study looking at flood risk on the Teville Stream and the outputs of this went into Worthing Borough Council's Surface Water Management Plan (SWMP). The outputs from these studies show a close correlation with the actual areas flooded during June 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup>.

#### **7.10.5 Recommendations and future actions**

- Once complete, any recommendations within the Worthing Surface Water Management Plan that reduce the risk of property flooding within the area should be further developed by the relevant authorities and included in their future works programme.



- SWS to consider the installation of new screens to more effectively remove solids and non-biodegradable material at East Worthing waste water treatment works and help protect the downstream process equipment.

## **7.11 'Cluster' 11 – West Worthing**

### **7.11.1 Existing flood risk.**

Properties affected by the June event are only shown to be at risk from sea flooding on the Environment Agency's **Flood Maps** (Figure 22). However, existing lower laying areas within the area are shown to be at risk from surface water flooding on the **Areas Susceptible to Surface Water Flooding** maps (Figure 23).

### **7.11.2 Summary of the drainage system.**

Within the affected area Southern Water Services (SWS) own and maintain the sewer network. The area is served by both foul and surface water SWS sewers. All of the dedicated SWS surface water sewers appear to outfall directly to the sea via outfalls on the beach.

Much of the existing highway drainage within the residential roads is connected into the SWS surface water sewer.

### **7.11.3 Performance of the Public Drainage System.**

The public foul and surface drainage operated as intended in West Worthing, the area is one of the lowest points within the system. It is believed that some of the flooding in this area could have been exacerbated due to periodic operational failure at the Worthing Treatment Works, the impact of this was minimized as a SWS team was on site throughout the storm event to unblock pumps when required to ensure that the system was operating to maximum effect.

### **7.11.4 Areas affected.**

The majority of the properties, gardens, roads and parkland have been flooded during previous extreme rainfall. Several of the flooding incidents reported contamination by sewage.

The surface water drainage to the west of Worthing either flows west to discharge into the Ferring Rife or south to be discharged through outfalls directly to the sea.

The area around the Southern end of King George V Avenue and Marine Gardens are amongst the lowest points in the town, generally well below promenade level.

In June heavy rain coincided with high tide. This effectively reduced the outflow through the sea outfalls to a minimum and once the sewers surcharge the flood water spread laterally quickly. Flood waters quickly entered the foul drainage / combined drainage network surcharging these which in turn add to the flooding.

There is no point in trying to pump water anywhere except over the promenade onto the beach, as pumping water in this location will merely circulate it.

The outfall pipe at the bottom of King George V Avenue is currently buried approximately 4m beneath the beach. Unfortunately it was not extended when beach reprofiling works were carried out and it now needs to be extended by approximately 35m. This extension will require significant capital investment and has been included in SWS long term programme. There were other highway related flooding issues mainly relating to what appeared to be blocked road gullies particularly around Marine Gardens, Boundary Road, Tarring Road and the Southview Road, Pevensy Road and Hailsham Road area. WSCC records do not show any historic problems in this area. It's likely that the system was overloaded at this time.

#### **7.11.4 Recommendations and future actions**

- SWS have an £8 million improvement project programmed for this catchment. Work has been under way for several months to get the site ready for the improvements, which are explained in detail below:

The £8 million project is scheduled to start in early 2013 and is expected to last for at least 12 months. It includes:

- refurbishment of the concrete and steel structure of the inlet works where flows enter the site,
- installation of new screens to more effectively remove solids and non-biodegradable material and help protect the downstream process equipment,
- installation of new pumps to enable the site to handle higher flows of water during wet weather.

Increasing the screening capacity will reduce the amount of debris and non-biodegradable material that can potentially damage other equipment at the works and ensure improved resilience when large volume of rag hits the site.

This in turn will lead to a reduction in reactive or temporary measures which can cause disruption from odour and noise to people living nearby. The new equipment will also be quieter than the existing arrangements on site and the modifications carried out to the inlet building and process works will reduce the risk of waste turning septic in the treatment process which can cause odour issues.

- SWS are also planning to undertake a survey of the large diameter sewer that is located close to the treatment works to ensure that it operates at full capacity. The findings of the survey will determine if work is required.
- SWS to progress the extension of the outfall pipe at the bottom of King George V Avenue.

## **8. Recovery**

### **8.1 National Flood Forum**

In June, West Sussex suffered flooding leaving people traumatised by the experience and facing the prospect of moving out of what was left of their homes for many months. The National Flood Forum works in partnership with Local and County Councils, the Environment Agency and Water Companies to ensure that local information and support is available to the local community.

The National Flood Forum (NFF) contributes by an understanding and empathy (the NFF is mostly run by people who have also been affected by flooding), a neutral partner, mediator and as an expert on wider issues that are shared by flooded people nationally. The National Flood Forum's focus is on the need of the people affected and adapts support to meet the stages of recovery.

Immediately after the storm event, and supported by Local and County Councils, the Environment Agency and Water Companies, the NFF visited the affected areas with their NFF trailer. Flood affected individuals and communities and those at risk were welcomed into the calm environment of the trailer. To initiate dialogue, staff identified who they were and where they worked and then encouraged people to identify their property on a map while staff wrote a synopsis of the individual's experiences and thoughts for future resilience.

The information captured included:

- How their properties were affected & the time of events at different stages
- Identification of where they had seen water lay externally in the area & the direction of water flow
- Who was vulnerable or elderly
- How they coped & their experience of the emergency response
- Perceived causes & perceived solutions.

Other issues that were dealt with were;

- Homelessness
- Financial hardship
- Under/un-insured
- Reluctance to claim on insurance & insurance claim issues.

Many asked questions appertaining to responsibility, and took interest in understanding the restraints of systems coping with extreme weather events.

## **8.2 NFF Trailer Attendance locations**

- 19 June - Wick Precinct, Littlehampton.
- 20 June - Laburnum Recreation Ground, Bersted.
- 21 June - Cabin Pub car park, Elmer road, Elmer.
- 12 July - Car park adjacent to Greenspace at Willowhayne Crescent, East Preston.
- 13 July - Car park opposite shops on Elmer Rd Middleton-on-Sea Jubilee Hall.
- 19 July - Banjo Road, adjacent to South Terrace, Littlehampton.
- 20 July - Car park opposite shops Elmer Rd Middleton-on-Sea near Jubilee Hall.
- 22 July - Car park adjacent to East Bracklesham Drive, Bracklesham Bay.
- 26 July - Banjo Road, adjacent to South Terrace, Littlehampton.  
Car park adjacent to East Bracklesham Drive, Bracklesham Bay.
- 27 July - Car park opposite shops Elmer Rd Middleton-on-Sea near Jubilee Hall.
- 1 August - Angmering Parish Hall.
- 2 August - Banjo Road, adjacent to South Terrace, Littlehampton.
- 3 August - Car Park opposite shops Elmer Rd Middleton-on-Sea near Jubilee Hall.
- 8 August - Village Hall, Crooked Lane, Birdham

## **8.3 Main Community Concerns**

The NFF found that the most common concern was the new build in the area and scheduled future development. The next, being concerns over how to enforce riparian owners to take responsibility for ditches and clearance of publicly owned ditches.

Other concerns are:

Bow waves caused by vehicles speeding along flooded roads.

Capacity of drains.

Water courses and drain outfalls.

Late emergency response.

Foul water pumping.

Future insurance availability.

Grass verge cutting/collecting.

The need for road closures.

Not being able to use toilet / sanitary facilities.

## **8.4 Identification of future community need**

### **Insurance**

It is acknowledged that property reinstatement after flooding is a major contribution to stress on people who are already traumatised. The NFF has already addressed insurance claim issues even at this early stage of recovery. The impact of these issues results in:

- Creating unacceptable delays in returning home
- Prolongs the need for support & help
- Has a negative effect on health (heightened anxiety, frustration, a sense of isolation)
- Exacerbates finances.

### **Resilience advice**

People sought advice about reinstating their home to stop water ingress in the future. Many find it a confusing issue to comprehend; this can be due to lack of perception, knowing where to start, knowing what would work, the financial impact and insurance help. It is at the stage of recovery when the dehumidifiers have been removed and discussion on the schedule of works begins that people need this advice.

### **Resistant products**

The early stages of recovery are not a conducive time to be discussing flood mitigation products to people because it can add to anxiety, create confusion and provoke anger. In the first few months of recovery, people find it hard to retain information; we provide advice to help them cope. But preparing for future flooding is important and resistant products are just one of the ways to lower the risk. We would advise that the NFF provides property level protection surgeries when communities start to see their properties nearing refurbishment.

### **Flood Action Groups**

The NFF strongly advocates the way forward for communities is to take action to lower their community and personal risk to flooding by working in partnership with those that manage flood risk.

Proven success across the nation has been seen where flood affected communities unite to plan for a more resilient future. West Sussex County Council has recognised this and agreed funding the NFF to support community's progress along this line.

See Appendix H for further details of the work carried out by the NFF within the local communities following the June event.

## **8.5 NFF Conclusion**

Over 250 people visited the NFF Trailer.

A large proportion of people were interested in forming an action group and working in partnership towards reducing flood risk and becoming resilient communities. There was an appreciation of the opportunity to talk to the agencies collectively and praise for the NFF for efforts in response during the event and in the recovery.

## **9. Frequently Asked Questions**

### **What type of flooding caused this?**

The vast majority of flooding occurred through surface water flooding; this is when the sheer volume of water overwhelms the drainage infrastructure.

### **Who is responsible for the various sea and river outfalls?**

Many people own and are therefore responsible for sea and river outfalls. Where the outfall is shown as a public sewer on the statutory sewer map responsibility will rest with SWS. Where the outfall is from a dedicated and adopted highway drain responsibility will rest with WSCC.

The EA are responsible for Elmer Rife Outfall, Elmer Sands Estate Ditch Outfall, Felpham Pumping Station, Pagham Rife Outfalls, Hailsey Sluice on the Bremere Rife, Medmerry Outfall, Hale Farm Ditch Outfall, Itchenor Outfall, Bosham Stream outfalls, Bosham Churchfield Stream outfall, Apuldram Ditch Outfall, River Lavant Outfall, Hambrook Stream Outfall and Ferry Pumping Station, Pagham.

All these are gravity operated tidal outfalls, and were all operating normally during the June 2012 flood event. This means that they close as the tide comes in and the open again as it goes out. They are usually closed for around 2 hours either side of high tide

At Felpham and Ferry we have pumps which operate during period of high tide when the gravity outfalls are closed.

Many will rest with private landowners (i.e. riparian responsibility).

### **Who is responsible for maintaining and enforcing the management of ditches and watercourses?**

It depends how the ditch or watercourse is classified, but as a general rule the maintenance of ditches should be carried out by the riparian landowner. More information can be found in the Environment Agency's 'Living on the Edge' booklet.

The Environment Agency has the main monitoring and enforcement role in terms of Main River, while County and District Council's carry out monitoring and enforcement for non Main River/ordinary open ditches and watercourses.

### **What contingency arrangements does Southern Water have in place to deal with flooding in Felpham?**

Southern Water Services (SWS) are in the process of putting together proposals that would mobilise two 6" pumps in the event of an emergency. The pumps would be located on the grass area, close to the western end of Davenport Road, adjacent to the existing SWS outfall chamber and connected to the two static couplings on the side of the

chamber. Water would then be pumped out of the chamber and over the promenade onto the beach.

### **What storm capacity did the temporary outfalls have on the Medmerry Sea Defence Scheme?**

A comprehensive investigation into the Medmerry scheme is currently underway by 'Black and Veatch'. Part of the investigation will be an assessment of what that capacity was at the time of the flooding.

### **Why were the EA sluice gates in and around Chichester and Bosham still set for drought conditions?**

The EA have no structures in or around this area which are designed to hold water back in drought conditions. The EA's main structures in the area are tidal outfalls which are controlled by the level of the tide. The sluice at Bosham Quay is private and is managed by the Quay Master and not the EA. The EA do have a penstock just downstream of the A27 on the Bosham Stream which is used to divert water through the Bosham loop, but this wasn't altered in any particular way that would have made the flooding issues at Bosham any worse during the June floods. This penstock is designed to divert flows away from Bosham and to keep water at certain levels through the village at the request of the Parish Council.

### **Why doesn't the County Council and Southern Water Services just increase the capacity of the drainage system to deal with climate change?**

The County Council is constantly improving the highway drainage network but to increase the capacity across the entire county would cost tens of millions of pounds which is unfortunately unaffordable. While we are identifying schemes where a simple increase in capacity (such as increasing pipe size) is cost effective, the best way to manage surface water and take into account climate change is to mimic natural drainage features using Sustainable Drainage Systems (SuDS).

Any capital investment that SWS wish to make to improve the sewerage network and reduce the risk of flooding is subject to the approval of the water regulator and must meet economic criteria.

### **The gullies outside my house always have water in – are they blocked/why haven't you cleaned them?**

If you can see water within a gully it doesn't necessarily mean it is blocked. Due to the way gullies are designed there is likely to always be a certain amount of water contained at the bottom. Road gullies are generally designed to deal with a 1 in 30 year event (the June event was



equivalent to in excess of a 1 in 200 year event) so consequently the gullies failed to cope with this very heavy rain event.

Gullies across West Sussex are regularly inspected and cleansed when the silt level within the gully is above 50%.

If you feel the gullies in your area are blocked please report these to WSCC.

### **What does a 1 in 200 year event actually mean?**

This refers to the frequency or likelihood of flooding. In this instance the rainfall event was measured as a 1 in 200 year event so using statistical analysis the likelihood of this type of event happening in any one year would be 0.5%.

### **Will this happen every year?**

Unfortunately it is impossible to predict extreme weather events. The June event had the likelihood of occurring of 0.5% in any one year so although it is unlikely it will happen again soon it cannot be ruled out.

### **Who should my insurance company contact and will I still be able to get insurance if my property has flooded?**

Your insurance company will be experienced at dealing with claims due to flood damage so they will be able to guide you through your claim.

The EA and the Association of British Insurers have produced an information sheet entitled 'Flood risk and insurance' which covers many questions relating to this topic:

<http://publications.environment-agency.gov.uk/PDF/FLHO0512BWIS-E-E.pdf>

### **Why wasn't I given sandbags after I called the council?**

West Sussex County, Borough and District Councils, Environment Agency and West Sussex Fire and Rescue will not provide sandbags to protect personal property. The priority for sandbag use during flooding will be to:

- protect local essential services such as hospitals and sub-stations
- defend strategic areas – e.g repair coastal defences / divert water away from key access routes where people are at risk

During flooding sandbags are only provided in line with the above.

Responsibility for protecting personal and commercial property from flooding in West Sussex lies with the occupiers themselves. Residents are encouraged to check on the Environment Agency's website whether they are at risk of flooding and take early steps to protect their properties.

### **My road was flooded – why didn't WSCC attend the site?**

Due to the sheer volume of calls WSCC took over this period it unfortunately wasn't possible to attend every site. Calls were prioritized and sites were attended where properties were being affected.

### **Where can I get some impartial advice in relation to insurance and property issues?**

Citizens Advice in West Sussex provides free, independent, confidential and impartial advice to everyone on their rights and responsibilities. It values diversity, promotes equality and challenges discrimination.

### **What flood protection products should I use?**

There are many different products on the market that are designed to protect your home from flooding, such as airbricks fitted with water resistant valves or water resistant door and window barriers. There are many benefits to having such products - not only will they help to minimise water damage occurring in your home, but they may also help to reduce insurance costs. Kite marked products meet a minimum standard and have undergone testing approved by the BSI and the EA. Where possible a kite marked product should be used. Always seek advice before buying, fitting and using any product.

## **10. Conclusions and Emerging Issues.**

During the 10<sup>th</sup>/11<sup>th</sup> June 2012, an extreme rainfall event led to widespread flooding across parts of West Sussex. Almost 800 properties were affected by flooding from a variety of sources. Some areas experienced 36 hours of continuous rainfall in a 48 hour period.

According to Met Office figures, the average monthly rainfall for June in Bognor Regis is 50mm. During the June event the Environment Agency's Bognor rain gauge, measured 106mm as falling in a 24 hour period, with an overall total of 114mm over 48hours.

Bognor Regis Town Council recorded nearly 170mm at their town weather station, a raingauge at Sefter Farm, Pagham recorded 171mm and the Channel Coast Observatory recorded 178mm at their Worthing Pier gauge.

The Sefter Farm, Pagham has reported measuring total rainfall in June of 274mm. This was eight times the monthly seasonal average for the past five years.

It should be noted that the return period of the storm was well in excess of the normal design capacity of a drainage system and that flooding in most places occurred due to simple hydraulic overloading.

While no one can completely prepare for the type of rainfall that occurred in June (1:200+ year return period) our findings show that the lack of riparian maintenance and loss of important land drainage was a contributing factor.

Other contributing factors include:

- Small developments on areas known previously to act as local 'flood plain areas'.
- Infilling or piping of existing ditch lines for development or access proposes.
- Weed and plant growth within ditch lines, which slowed water flow.
- Infilling of local ditches by dumped rubbish, or encroachment of local gardens into ditch lines.
- Lack of understanding of riparian owners of the importance of adjacent ditch lines.
- Complete loss, poor condition or capacity of surface water sea outfalls.

This report has already identified a number of 'Recommendations and future actions', highlighted in Section 7, which will be taken forward by the County Council and its professional partners over the coming months.

However, further consideration should be given by the County Council and its professional partners to the following:

- Much is known within WSCC and our Borough and District partners about the existing drainage infrastructure. However, most of it is only on paper plans, if recorded at all. An agreed process and format for data capture should be put in place and information held should be transferred onto a GIS platform. This can then be shared with all interested parties.
- Develop and maintain a culvert register and inspection regime, similar to the WSCC Large Structures Register, for culvert under 900mm in size.
- Publicly owned drainage systems should be maintained and upgraded where there is clear deficiency. It should however be noted that this event was extreme and even well designed and maintained systems failed to cope with the volume of water.
- Residents should be made aware of their responsibilities to keep watercourses, within and adjacent to their property, clear and in good condition. The EA document "Living on the Edge" covering riparian ownership should be widely circulated together with maps showing private and public drainage systems.
- It was clear following the event that many residents were not aware of the flood warning service offered by the EA. Residents should visit the EA's website 'What's in your backyard' and check if their area is within a 'Flood Warning or Flood Alert Area'. If it is residents should register of the EA's free flood warning / alert service. If residents live within one of these areas and receive a warning they should taken the necessary action to protect themselves from the possibility of flooding.

## **Appendix A: The Management of Drainage in West Sussex**

Following the introduction of the Flood and Water Management Act 2010 West Sussex County Council created two multi agency groups to embed the requirements of the act and manage drainage across West Sussex.

### West Sussex Strategic Flood Risk Management Board

The West Sussex Strategic Flood Risk Board is made up of senior officers from WSCC, all Borough and Districts Councils, EA and Southern Water. The group's role is to take a strategic overview of the entirety of flood risk and drainage management across West Sussex, including from all inland flooding sources and from the coast. It will ensure effective integration of flood risk planning and response at a strategic level in the county.

### West Sussex Flood Risk Management Group

Formed in October 2009, the group comprises West Sussex County Council (the Lead Local Flood Authority), the EA (Southern & Thames), Southern Water Services and all the Borough and District Councils within West Sussex. Its role is to plan and act to reduce the risk and consequence of flooding now and in the future in West Sussex.

Considerable work has taken place in beginning to understand the Act and roles and responsibilities, which continues as further elements of the Act are enacted.

Recent events have highlighted the importance of Parish Councils and other community groups being able to contribute to the management of drainage and therefore also to be able to contribute directly into the Flood Risk Management Group.

It is proposed that a process is established to enable Parishes to report all drainage problems whether they are foul sewer or land drainage through their District Council representatives to feed into the Flood Risk Management Group where they could be reviewed with a view to resolving the issues. Where major investment is required these would then be referred to the Strategic Board for decision on investment options or otherwise.

## **Appendix B: West Sussex County Council Flood Investigation Guidance**

### **Background**

Section 19 of the Flood and Water Management Act confers the following responsibility on Lead Local Flood Authorities:

*On becoming aware of a flood in its area, a lead local flood authority must, to the extent that it considers it necessary or appropriate, investigate:*

- (a) which risk management authorities have relevant flood risk management functions, and*
- (b) whether each of those risk management authorities has exercised, or is proposing to exercise, those functions in response to the flood.*

Investigations must be published and all relevant risk management authorities should be notified of the findings of the report.

### **Defining 'Necessary or Appropriate'**

Following an intervention by John Grogan MP during the passage of the Bill through parliament, the term '*to the extent that it considers it necessary or appropriate*', was inserted into the clause. This reflected the concern that it was neither practicable nor desirable for LLFAs to carry out a formal investigation for every occasion where the definition of 'a flood' within the Bill was satisfied.

As a consequence, LLFAs have been afforded a great deal of latitude in determining the threshold that will determine whether or not to investigate a flood in its area.

### **Criteria for investigating floods in West Sussex:**

At this time, the volume and nature of incidents in West Sussex requiring investigation is unknown; and ultimately the decision whether to investigate a flood or not will be at the discretion of the County Council. However, as an initial guide we propose that an investigation should be carried out where the following eligibility criteria are met or it is in the public interest to do so. This may be subject to change.

- where there is ambiguity surrounding the source or responsibility of a flood incident,
- where internal flooding of one property has been experienced on more than one occasion,  
OR
- where internal flooding of five properties has been experienced during one single flood incident,  
OR

- where flooding resulted in disruption of one or more items of critical infrastructure,  
OR
- where a single flood incident resulted in flooding that affects vulnerable individuals,  
OR
- where there is a risk to life as a result of flooding.

For the purpose of flood investigation and reporting critical infrastructure and vulnerable individuals shall be defined as:

#### Critical Infrastructure.

- major disruption to public infrastructure i.e. power generation and distribution, ICT infrastructure, water supply and treatment and major transport links.  
Major disruption to transport links shall mean that the transport network was totally impassable for a significant period.  
Trunk roads and major rail links – 2 hours or more (only if investigation not carried out by HA or Network Rail)  
Class A and B highways and other railway links – 4 hours or more  
Class C highways – 10 hours or more  
Class D highways – 24 hours or more.

#### Vulnerable Individuals.

- This category includes younger people, older people, and people with disabilities or health problems. The key indicator is the effect of the flooding event upon such amenities as hospitals, care and nursing homes, schools, etc. If any vulnerable individuals are placed at risk, or if the services provided to them are disrupted for a significant period, then this should warrant action.

Our investigation will involve consultation with other risk management authorities, landowners and private organisations, all of whom will need to cooperate and comment on their involvement in each incident within a reasonable timeframe. Before being published, all reports will be shared with relevant stakeholders so officers should feel assured that comments will not be taken out of context and should not need to be cleared with any corporate communication before discussing issues with the Drainage Strategy Team.

We aim to produce finished Flood Investigation Reports (FIRs) within 3 months of each incident being reported to us.

The aim is for the conclusions of each report to clarify the roles and responsibilities of all parties involved and suggest solutions or actions that may be taken to resolve the problem. Where one or more organisations are jointly responsible, we would suggest that they work closely and share resources.

Our duty to investigate does not guarantee that flooding problems will be resolved and cannot force others into action.

## **Appendix C: Professional Partners Emergency Response**

### **Arun District Council**

#### Response Phase

The Council opened three rest centres sequentially from 01.30 Monday 11<sup>th</sup> June to 17.30 Tuesday 12<sup>th</sup> June at the Inspire Leisure Centres at Littlehampton and Felpham and at the Hamlets Laburnum Grove, North Bersted. These were managed and staffed by Inspire Leisure and a Council Housing Management Team accommodating thirty people overnight & others temporarily.

The Council Communications Team were ceaseless in supporting the Call Centre and attending to media reporters, hosting VIPs, updating the Council's website and social media as well as developing, maintaining and posting a 'Frequently Asked Questions' list.

The Deputy Chief Executive and Head of Emergency Planning represented the Council at the two or three daily Sussex Resilience Forum's Adverse Weather Office telecommunications conferences and also attending at the Forum as circumstances allowed. The Emergency Planning Officer represented the Council at the multi-agency silver control when it was called on Tuesday morning.

#### Recovery Phase

The recovery phase started at 17.30hrs on Tuesday 12<sup>th</sup> June with the first multi-agency recovery meeting held on Wednesday 13<sup>th</sup> June. Arun District Council was the lead agency and chaired the multi-agency Recovery Group meetings. Recovery Objectives were set as:

- Restore the utility services
- Assist people safely back into their homes
- Repair environmental damage
- Establish a collaborative and flexible approach
- Establish and maintain information flow/communication with the public

The major recovery work streams resulting from these objectives were:

- WSCC Social Services and Arun's Housing Management Services to attend to accommodation difficulties of vulnerable people and the homeless.
- Southern Water and Arun's Waste collection services to provide skips and help to residents clearing flood damaged items; and for Arun's Environmental Services working with the Environment Agency to monitor pollution instances and reports including the quality of the sea water.
- The deployment of the National Flood Forum's Trailer by Friday 15<sup>th</sup> June with attendance by officers from WSCC, Arun District Council, the Environment Agency and Southern Water under the lead of the



NFF to advise and answer issues and concerns raised by the public attending.

- The continuing deployment of Environment Agency and Southern Water high volume pumps to reduce and remove flood water from houses and water courses.
- The involvement of the voluntary sector in particular of the British Red Cross in offers of advice, help and management of the charitable response.

Two repeated concerns from residents attending the trailer were over-development and the lack of maintenance of the ditches and water courses, which were perceived as contributing to the flooding.

An emergency planning officer was seconded to Arun from West Sussex County Council Emergency Management Unit. His expertise and knowledge of the County Council services made a significant contribution throughout.

## **Chichester District Council**

A small number of reports were received by Chichester District Council relating to requests for sand bags. The emerging picture at the time of the floods were that Arun was the main area affected. The Emergency Planning Officer for Chichester coordinated local resources with the initial view of supporting Arun should the need arise. The level of information being received in the organisation suggested there was not a need to mobilise resources at the time. This decision was supported by contacting the Bracklesham and Earnley Parish council clerk to investigate the local position. No reports were received by them at the time. There were a number of reports received by the Environment Agency regarding properties affected; however it was not possible to retrieve this information to make an assessment of the resources required. Other areas were identified as being at risk and work was undertaken to plan an evacuation should the situation arise.

Although the Emergency Control Centre was not activated the Emergency Planning Officer engaged in the Adverse Weather Office process throughout the incident.

Upon reflection and review of the incident a number of changes in working practices have now been established and have since been successfully tested. The recent flooding event allowed for the Marine Incident Communication Plan to be activated which allowed for improved communication amongst the coastal community. Information capture is an element of the response that requires improvement internally and externally. Internally a liaison officer will be dispatched to 'Customer Services' to compile details of any emerging situation.

## **West Sussex Fire and Rescue Service (WSFRS)**

On Sunday 10<sup>th</sup> June, WSFRS received the first of numerous flooding calls, which would continue for the next three days. Between Sunday evening and Tuesday morning, WSFRS Command and Mobilising Centre received over 2,000 calls requesting assistance to flood affected properties. A number of significant incidents occurred during the widespread flooding to numerous areas across the County; Crews worked through the night to ensure Worthing Hospital remained open, despite extensive flooding to the basement which affected the lift shafts. Over twenty basement properties on South Terrace, Littlehampton required pumping with most residents having to leave their properties. Assistance was sought from East Sussex Fire Service to support crews with a High Volume Pump (HVP). During the course of Monday, extensive flooding affected Felpham and Bognor Regis, where a number of residents were assisted from their properties by specially equipped water rescue crews. East Sussex's HVP was redeployed from Littlehampton to assist in lowering the levels of the Aldingbourne rife.

During Tuesday further requests for help were received to static caravan sites in Bracklesham where over thirty residents, and guests, were evacuated from flooded caravans using the water rescue teams. Through-out the flooding event, an unprecedented number of calls were received, and crews from Hampshire Fire Service were needed to support those from WSFRS to ensure emergency fire cover was maintained throughout West Sussex.

## **Sussex Police**

### Response and Recovery

On Friday 8<sup>th</sup> June 2012 Sussex Police's Emergency Planning Team (EPT) started to circulate the Met Office's weather reports to both Divisions and Departments, advising staff of potential flooding incidents.

On Sunday 10<sup>th</sup> June the EPT liaised with a number of partners and supported the activation of an Adverse Weather teleconference. Further advice was circulated to Divisions and Departments with reference to the updated information supplied by the Met Office and Environment Agency.

On Monday 11<sup>th</sup> June the EPT, West Sussex Division and Roads Policing Unit (RPU) responded to numerous requests from members of the public to incidents of surface water flooding, particularly focusing on the road network in West Sussex floods. On Tuesday 12<sup>th</sup> June Command members of West Sussex Division declared a major incident and coordinated the multi agency response from a Silver Command Centre.

Members of the NPT leafleted approximately 1000 homes within Felpham, Elmer and Middleton areas and made contact with approximately 100 vulnerable persons within these areas.

Members of the EPT worked within the Adverse Weather Office, were deployed on the ground and coordinated the Force response to the floods. 80% of the police officers and staff within West Sussex's Neighbourhood Policing Team were deployed on the operation responding to the event.

### Community Perspective - from a Sussex Police Inspector.

On the Tuesday morning it became clear that about 250 homes had been flooded in the Bognor area and we already knew about the 20 or so homes flooded in Littlehampton. The adverse weather office was already in place and there were rest centres in both Bognor and Littlehampton already in place and helping displaced people. Various agencies were contributing towards the search and rescue phase and ultimately the recovery phase.

Once the major incident had been established and a command structure in place we began to gain some control on what we were dealing with. On the Tuesday 12<sup>th</sup> June with support from West Sussex Fire and Rescue, RSPCA, SECAM, Sussex Police specialist search team, we were satisfied that all areas with the flooded patches had been visited and that all occupants of these dwellings had been accounted for. This was estimated to be 250 homes in the Felpham, Middleton and Elmer area. The final people who were trapped in their home (by choice) were finally assisted away from the premises about 1600hrs. This search phase could only have been conducted by specialist officers from these agencies.

Arun neighbourhood Police Team together with the volunteer search teams, in total about 50 people then completed a systematic house to house covering approximately 1,000 homes. A reassurance leaflet from

Arun District Council was produced and delivered to all these properties within a few hours.

County Council had provided Police with a vulnerable persons list and by close of play on Tuesday 12<sup>th</sup> June the majority of these were accounted for by either phone contact or a specific visit by police staff.

Over the coming days/ weeks an effective recovery group was set up by ADC and many different agencies contributed towards the follow up work. The environment agency, Southern Water, Highways agency all played their part in ensuring that the flooded areas were dealt with.

The National Flood forum provided excellent community support and advice at the key times and in the key locations. Sussex Police remained involved in the recovery group work over the coming weeks and months.

## **Appendix D: Roles and Responsibilities**

### **Lead Local Flood Authority (LLFA)**

Under the Flood and Water Management Act 2010 LLFAs have been assigned a number of duties and responsibilities relating to the management of local flood risk.

Sources of local flood risk include: Groundwater flooding, Surface water (rainfall), Ordinary watercourses and small reservoirs.

### **Borough and District Councils**

Borough and District Councils have no statutory duties with regard to land drainage, except where they retained ownership of land. Borough and District Councils do however have permissive powers to ensure that watercourses are properly maintained across the Borough or District, and that Riparian Landowners undertake their responsibilities.

### **Internal Drainage Board (IDB)**

An Internal Drainage Board is a local public authority, in the case of West Sussex this is the EA, established in areas of special drainage need in England and Wales. IDBs have permissive powers to manage water levels within their respective drainage districts. IDBs undertake works to reduce flood risk to people and property and manage water levels to meet local needs.

### **Environment Agency**

The Environment Agency (EA) is the Lead authority for flooding from main rivers and the sea. The EA also have a strategic overview on all forms of flooding and coastal erosion, as well as flooding from reservoirs. The EA works with all relevant Risk Management authorities. These include Lead Local Flood Authorities, coastal District and Borough Councils, and Water Companies. The EA has permissive powers to carry out works to reduce flood risk on main rivers and the coast in England & Wales.

### **Water and Sewerage Company**

Southern Water Services is the statutory sewerage undertaker for most of West Sussex with a duty to effectually drain sewers pursuant to the Water Industry Act 1991. The purpose of sewers is to drain building development and not agricultural or undeveloped land. Sewers are designed to nationally agreed standards and will become overloaded when rainfall exceeds this or when they are inundated by water running off of undeveloped land.

## **Appendix D (cont): Roles and Responsibilities**

### **Highways Authority (in this case WSCC)**

Provide, maintain and manage carriageways, footways and drainage under the provisions of the Highways Act 1980.

### **Riparian Landowners**

Riparian landowners are those who own land adjoining a watercourse, they have certain rights and responsibilities, including the following:

- i) They must maintain the bed and banks of the watercourse, and also the trees and shrubs growing on the banks.
- ii) They must clear any debris or silt, even if it did not originate from their land, this debris may be natural or man-made.
- iii) They must keep any structures that they own clear of debris. These structures include culverts, trash screens, weirs and mill gates.
- iv) If they do not carry out their responsibilities, they could face legal action under the 1991 Land Drainage Act.
- v) Further details of riparian landowners responsibilities can be found in "Living on the Edge" published by the Environment Agency.

### **Residents**

Residents are encouraged to understand the flood risk in their local area and have a flood plan to steer their response in times of flooding. Actions such as placement of sandbags, moving valuable items to a safe place and semi / permanent measures such as installation of floodgates, airbrick covers etc are encouraged to reduce the consequences of flooding at a property level.

It is recommended that residents sign up to appropriate warnings for their area and keep contact details up to date and act upon all warnings appropriately. When flooding does occur residents are encouraged to document as much information as possible to aid the investigations of all operating authorities and to provide information to their loss adjusters and insurers.

Residents are asked not to permit any solid matter other than toilet waste and tissue into the foul sewerage network. Fats, wipes, kitchen towels etc. are unfortunately a very common cause of sewer and pump blockages and this can in turn lead to foul flooding.

Residents are also requested not to permit any surface water to enter the foul sewerage system other than that already legitimately connected from roofs and yards. This can also cause the foul sewerage system to become overloaded and lead to foul flooding.

## **Appendix E: Contact Details**

### **Lead Local Flood Authority**

West Sussex County Council  
Highway - Drainage Strategy Team  
County Hall  
West Street  
Chichester  
West Sussex. PO19 1RQ  
Telephone No: 01243 642105

### **Statutory Sewerage Undertaker**

Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex. BN13 3NX  
Telephone No: 0845 278 0845

### **Environment Agency**

Solent and South Downs Area Office  
Guildbourne House  
Chatsworth Road  
Worthing  
West Sussex. BN11 1LD  
Telephone No: 0370 8506506  
Floodline: 0845 988 1188

### **District and Borough Councils**

Arun District Council  
Arun Civic Centre  
Maltravers Road  
Littlehampton  
West Sussex. BN17 5LF  
Telephone No: 01903 737500



## **Appendix E (cont): Contact Details**

### **District and Borough Councils**

Adur District Council  
Adur & Worthing Councils  
Adur Civic Centre  
Ham Road  
Shoreham-by-Sea  
West Sussex. BN43 6PR  
Telephone No: 01273 263000

Chichester District Council  
1 East Pallant  
Chichester  
West Sussex. PO19 1TY  
Telephone No: 01243 785166

Worthing Borough Council  
Adur & Worthing Councils  
Worthing Town Hall  
Chapel Road  
Worthing  
West Sussex. BN11 1HA  
Telephone No: 01903 239999

### **Internal Drainage Board**

Environment Agency  
Guildbourne House  
Chatsworth Road  
Worthing  
West Sussex. BN11 1LD  
Telephone No: 0370 8506506

### **National Flood Forum**

The National Flood Forum  
Snuff Mill Warehouse  
Bewdley  
Worcestershire  
DY12 2EL  
Telephone No: 01299 403 055  
Community groups: 01743 741 725

## **Appendix F: Useful Website Addresses**

### **Flood & Water Management Act 2010:**

<http://www.legislation.gov.uk/ukpga/2010/29/contents>

### **Land Drainage Act 1991:**

<http://www.legislation.gov.uk/ukpga/1991/59/contents>

### **Land Drainage Act 1994:**

<http://www.legislation.gov.uk/ukpga/1994/25/contents>

### **Water Resources Act 1991:**

<http://www.legislation.gov.uk/ukpga/1991/57/contents>

### **Highways Act 1980:**

<http://www.legislation.gov.uk/ukpga/1980/66/contents>

**EA - 'Living on the Edge'** a guide to the rights and responsibilities of riverside occupation:

<http://www.environment-agency.gov.uk/homeandleisure/floods/31626.aspx>

### **EA - Prepare your Property for Flooding:**

How to reduce flood damage Flood protection products and services

<http://www.environment-agency.gov.uk/homeandleisure/floods/31644.aspx>

### **National Flood Forum:**

Provides support and advice to communities and individuals that have been flooded.

<http://nationalfloodforum.org.uk/>

### **National Flood Forum 'Blue Pages':**

An independent directory of flood protection products and services.

<http://www.bluepages.org.uk/>

## **Appendix G: Affected Properties**

Properties Affected by June 2012 Flood Event.

Road Name	Town/Parish	District	Number of known properties affected
Gossamer Lane	Aldwick	Arun	1
Queensway	Aldwick	Arun	1
Almodington Lane	Almodington	Chichester	1
Third Avenue	Almodington	Chichester	1
Decoy Drive	Angmering	Arun	1
Hammerpot Village	Angmering	Arun	3
Palmer Road	Angmering	Arun	1
The Square	Angmering	Arun	1
Water Lane	Angmering	Arun	1
Warninglid Road	Ansty and Staplefield	Mid Sussex	1
Dalloway Road	Arundel	Arun	1
Hillcrest Drive	Ashington	Horsham	3
London Road	Ashington	Horsham	1
Malthouse Lane	Ashington	Horsham	1
Mill Lane	Ashington	Horsham	2
London Road	Balcombe	Mid Sussex	1
Barnham Lane	Barnham	Arun	1
Lake Lane	Barnham	Arun	8
Marshall Close	Barnham	Arun	2
Elm Grove South	Barnham	Arun	1
Bersted Street	Bersted	Arun	1
Bucksham Avenue	Bersted	Arun	4
Bucksham Avenue	Bersted	Arun	7
Chichester Road	Bersted	Arun	6
Durlston Drive	Bersted	Arun	1
Fairlands	Bersted	Arun	2
Greenwood Avenue	Bersted	Arun	4
Greenwood Close	Bersted	Arun	12
Hazel Road	Bersted	Arun	1
Manet Sqaure	Bersted	Arun	1
Maple Gardens	Bersted	Arun	1
Stoneage Close	Bersted	Arun	1
Van Gogh Place	Bersted	Arun	4
Church Lane	Birdham	Chichester	1
Church Lane	Birdham	Chichester	2
Main Road A286	Birdham	Chichester	1
Seldens	Birdham	Chichester	1
Shipton Green Lane	Birdham	Chichester	1
First Avenue	Birdham (Batchmere)	Chichester	1
Aldwick Road	Bognor Regis	Arun	1
Ashmere Gardens	Bognor Regis	Arun	1
Drift Road	Bognor Regis	Arun	1
Elizabeth Close	Bognor Regis	Arun	6
Frith Road	Bognor Regis	Arun	12
Hotham Park House	Bognor Regis	Arun	1
Laburnum Grove	Bognor Regis	Arun	1
Longford Road	Bognor Regis	Arun	1
Neville Road	Bognor Regis	Arun	7
Newhall Close	Bognor Regis	Arun	1
Pevernsey Road	Bognor Regis	Arun	12

Shipney Lane	Bognor Regis	Arun	1
Summerhill Drive	Bognor Regis	Arun	2
Wordsworth Gardens	Bognor Regis	Arun	1
Wineham Lane	Bolney	Mid Sussex	1
Bosham Lane	Bosham	Chichester	1
Delling Lane	Bosham	Chichester	1
Green Lane	Bosham	Chichester	1
Main Road	Bosham	Chichester	1
Mariners Terrace	Bosham	Chichester	1
Montague Avenue	Bosham	Chichester	3
Ratham Lane	Bosham	Chichester	1
Stumps Lane	Bosham	Chichester	1
Taylors Lane	Bosham	Chichester	1
Walton Lane	Bosham	Chichester	1
White Swan	Bosham	Chichester	1
Barton Way	Bracklesham	Chichester	1
Beech Avenue	Bracklesham	Chichester	2
Bracklesham Lane	Bracklesham	Chichester	4
Bracklesham Lane	Bracklesham	Chichester	67
Elm Close	Bracklesham	Chichester	1
Farm Road	Bracklesham	Chichester	1
Garden Avenue	Bracklesham	Chichester	3
Charlton Road	Charlton	Chichester	1
Apuldram Lane North	Chichester	Chichester	3
Cavendish Street	Chichester	Chichester	5
Cedar Drive	Chichester	Chichester	1
Cedar Drive	Chichester	Chichester	1
Church Lane	Chichester	Chichester	1
Fishbourne Road East	Chichester	Chichester	1
Hampsted Meadows	Chichester	Chichester	4
Salthill Road	Chichester	Chichester	1
St Pancras	Chichester	Chichester	1
St Pauls Road	Chichester	Chichester	2
St Wilfrids Close	Chichester	Chichester	4
Washington Street	Chichester	Chichester	1
Chidham Lane	Chidham	Chichester	6
Oldhouse Barn	Cocking	Chichester	1
Albany Road	Crawley	Crawley	1
Charlwood Road	Crawley	Crawley	1
Horsham Road	Crawley	Crawley	1
Timberlands	Crawley	Crawley	1
Callon Close	Durrington	Worthing	1
Almodington Lane	Earnley	Chichester	1
Bookers Lane	Earnley	Chichester	21
Clappers Lane	Earnley	Chichester	2
Sussex Beach Holiday village	Earnley	Chichester	1
Angmering Lane	East Preston	Arun	1
Sea Lane	East Preston	Arun	24
The Drive	East Preston	Arun	1
Solent Road	East Wittering	Chichester	1
Alleyne Way	Elmer	Arun	7
Ancton Way	Elmer	Arun	8
Arundel Way	Elmer	Arun	12
Central Drive	Elmer	Arun	1
Elm Drive	Elmer	Arun	16
Elmer Road	Elmer	Arun	9

Sea Way	Elmer	Arun	1
The Hard	Elmer	Arun	14
The Layne	Elmer	Arun	15
Willow Brook	Elmer	Arun	3
Manor Court	Elmer	Arun	9
Broomcroft	Felpham	Arun	1
Davenport Road	Felpham	Arun	7
Felpham Way	Felpham	Arun	12
Flansham Lane	Felpham	Arun	1
Limmer Lane	Felpham	Arun	4
Minton Road	Felpham	Arun	6
Roundle Avenue	Felpham	Arun	2
The Loop	Felpham	Arun	1
Wedgwood Road	Felpham	Arun	9
Foamcourt Way	Ferring	Arun	2
Laburnum Close	Ferring	Arun	3
Cross Lane	Findon	Worthing	1
High Street	Findon	Arun	1
The Quadrangle	Findon	Arun	1
Deeside Avenue	Fishbourne	Chichester	2
Frampton Close	Fishbourne	Chichester	2
Worms Lane	Flansham	Arun	1
Church Lane	Funtington	Chichester	1
Marine Crescent	Goring by Sea	Worthing	1
Ham	Ham	Chichester	1
Broad Road	Hambrook	Chichester	1
Hambrook Hill South	Hambrook	Chichester	1
The Broadways	Haywards Heath	Mid Sussex	1
Nursery Close	Haywards Heath	Mid Sussex	1
High Street	Henfield	Horsham	1
Wheatsheaf Road	Henfield	Horsham	1
Billingham Road	Horsham	Horsham	1
Willow Way	Hurstpierpoint	Horsham	1
Brookside Rd	Kingston	Arun	1
Bayford Road	Littlehampton	Arun	1
Beach Road	Littlehampton	Arun	4
Clifton Road	Littlehampton	Arun	8
East Ham Road	Littlehampton	Arun	1
Fitzalan Road	Littlehampton	Arun	6
Irvine Road	Littlehampton	Arun	2
Mill Lane	Littlehampton	Arun	1
New Road	Littlehampton	Arun	7
Pier Road	Littlehampton	Arun	12
River Road	Littlehampton	Arun	1
Saxon Close	Littlehampton	Arun	1
Seaton Lane	Littlehampton	Arun	1
Selbourne Road	Littlehampton	Arun	1
South Terrace	Littlehampton	Arun	25
South Terrace	Littlehampton	Arun	1
Southfields Road	Littlehampton	Arun	1
St Catherines Road	Littlehampton	Arun	11
Willow Brook	Littlehampton	Arun	2
Littleworth Lane	Littleworth	Horsham	2
Jobsons Lane	Lurgashall	Chichester	1
Marsh Lane	Merston	Chichester	1
Alder Way	Middleton-on-Sea	Arun	1

Alleyne Way	Middleton-on-Sea	Arun	1
Ancton Lodge Lane	Middleton-on-Sea	Arun	1
Ancton Way	Middleton-on-Sea	Arun	1
Arundel Way	Middleton-on-Sea	Arun	1
Central Drive	Middleton-on-Sea	Arun	1
East Close	Middleton-on-Sea	Arun	1
Elm Drive	Middleton-on-Sea	Arun	1
Lodge Close	Middleton-on-Sea	Arun	24
Manor Way	Middleton-on-Sea	Arun	1
Sea Lane	Middleton-on-Sea	Arun	5
Shaw Close	Middleton-on-Sea	Arun	1
South Walk	Middleton-on-Sea	Arun	1
Southdean Close	Middleton-on-Sea	Arun	4
Southdean Close	Middleton-on-Sea	Arun	1
Southdean Drive	Middleton-on-Sea	Arun	6
St Agnes Way	Middleton-on-Sea	Arun	1
St Nicholas Lane	Middleton-on-Sea	Arun	1
Sundale Lane	Middleton-on-Sea	arun	1
The Hard	Middleton-on-Sea	Arun	1
The Layne	Middleton-on-Sea	Arun	1
Tuscan Avenue	Middleton-on-Sea	Arun	1
West Close	Middleton-on-Sea	Arun	7
West Drive	Middleton-on-Sea	Arun	1
Willowbrook	Middleton-on-Sea	Arun	18
Willowbrook	Middleton-on-Sea	Arun	1
Yapton Road	Middleton-on-Sea	Arun	2
Pitsham Wood	Midhurst	Chichester	1
Railway Terrace	Midhurst	Chichester	2
Fairlands	North Bersted	Arun	3
Farm Lane	Nutbourne	Chichester	1
Old School Lane	Nutbourne	Chichester	1
St Andrews Close	Oving	Chichester	1
Leonora Drive	Pagham	Arun	1
Mill Farm Estate	Pagham	Arun	1
Pagham Road	Pagham	Arun	1
The Hollow	Rock	Horsham	1
Hewarts Lane	Rose Green	Arun	10
Hook Lane	Rose Green	Arun	2
Hook Lane	Rose Green	Arun	10
Hook Lane Close	Rose Green	Arun	4
Rose Green Road	Rose Green	Arun	1
Runcton Lane	Runcton	Chichester	1
Saltham Lane	Runcton	Chichester	2
Cleeves Way	Rustington	Arun	1
Dolphin Court, Dolphin Way	Rustington	Arun	1
New Road	Rustington	Arun	1
Sea Avenue	Rustington	Arun	1
Cedar Ave	Salvington	Worthing	1
Mill Lane	Sayers Common	Mid Sussex	1
Shripney Lane	Shripney	Arun	1
Elscott Park	Sidlesham	Chichester	1
Selsey Road	Sidlesham	Chichester	1
Henfield Road	Small Dole	Horsham	3
Bell Lane	Somerley	Chichester	18
Somerley Lane	Somerley	Chichester	2
Old Shoreham Road	Southwick	Adur	1

Washington Road	Sullington	Horsham	1
Barrack Row	Walberton	Arun	1
The Street	Walberton	Arun	1
Walberton Green	Walberton	Arun	2
School Lane	Washington	Horsham	2
The Pike	Washington	Horsham	1
The Street	Washington	Horsham	1
Chalkdock Lane	West Itchenor	Chichester	1
Harrow Lane	West Wittering	Chichester	1
The Crescent	West Wittering	Chichester	1
Steyning Road	Wiston	Horsham	1
Water Lane	Wiston	Horsham	1
Alinora Cresent	Worthing	Worthing	1
Anscombe Close	Worthing	Worthing	1
Bernard Road	Worthing	Worthing	2
Burlington Road	Worthing	Worthing	1
Clifton Road	Worthing	Worthing	1
Dawes Avenue	Worthing	Worthing	2
George V Avenue	Worthing	Worthing	1
Burlington Court	Worthing	Worthing	1
Halsbury Road	Worthing	Worthing	5
Halsbury Road	Worthing	Worthing	3
Ham Road	Worthing	Worthing	1
Ladydell Road	Worthing	Worthing	3
Lyndhurst Road	Worthing	Worthing	1
Lyndhurst Road	Worthing	Worthing	1
Mansfield Road	Worthing	Worthing	1
Marine Cresent	Worthing	Worthing	1
Mill Road	Worthing	Worthing	1
Newland Road	Worthing	Worthing	2
Pevensey Road	Worthing	Worthing	2
Seafeld Avenue	Worthing	Worthing	1
Tarring Road	Worthing	Worthing	2
Thesiger Road	Worthing	Worthing	1
Thurlow Road	Worthing	Worthing	1
Winchelsea Gardens	Worthing	Worthing	3



**Appendix H: Communities engaging with the National Flood Forum about the formation of 'Flood Action Groups'.**

**Elmer/Middleton**

**Elmer Sands:**

The existing Elmer Sands Residents Association have had their own meeting to gather issues from the wider community and are set to form a plan tackling the way forward. The NFF continues to be involved.

**Lodge Close residents:**

Residents have formed a core group of 10, although at least 16 residents are actively involved. They are about to embark on door to door discussions with the wider community and put together an action plan.

**Willow Brook:**

NFF have been in discussion with residents about the formation of a local flood group. However, until all residents are back in their homes this is unlikely to progress.

Residents take their riparian responsibilities seriously and ditch maintenance within the estate has always been active.

**Middleton:**

South Dean residents have an existing flood group and are moving ahead independently. The NFF has offered support if needed.

**Manhood Peninsula**

There are many small drainage groups already in this area, they are currently working in various ways. The NFF has offered support if needed.

**Birdham:**

The NFF is currently discussing with affected residents the best way to get them involved in either existing local groups or the formation of a new group.

**Earnley:**

Booker Lane Residents Association have an active community group and have currently declined any NFF assistance.

**Almodington, Somerley, Witterings:**

Discussions are still at an early stage with residents in these areas.

Almodington Parish Council is happy to support a flood group but would like the group to be independent from the Parish.

**East Preston:**

Currently residents are liaising with the Parish Council, who is taking up the issues on their behalf. The NFF has offered further support if needed.

**Bognor Regis**

New and existing groups within the Bognor Regis area are very pro-active. The NFF continues to be involved offering both help and support where needed.

**Shripney:**

'Shripney Community Flood Action Group' (SCFAG) has been formed and has held its first multi engagement meeting. The group were active in the recent Bognor Regis flood fair where they had their own stall and were very popular with residents attending the event. The NFF continues to be involved and will be working with the group to develop resilience plans.

**Felpham:**

'West Felpham Flood Action Assembly' (WFFAA) has been formed and has held its first multi engagement meeting. The group attended the recent Bognor Regis flood fair where they had their own stall and were very popular with residents attending the event. The NFF continues to be involved and will be working with the group to develop resilience plans.

**Other areas interested in working with the NFF:**

The NFF have been in contact with other areas keen to gain support (North Bersted, Bracklesham, Central Bognor), but have currently left these on hold, due to the current workload. The NFF will continue to support and work with WSCC within the affected communities.

**Appendix I: WSCC Drainage works and investigations carried out since June 2012.**

## Works and Investigations Identified Since June 2012 Flood Event

<b>Location</b>	<b>Description</b>	<b>Design Timescale</b>	<b>Construction Timescale</b>
Littlehampton, Sea Road	Proposed improvements to existing highway drainage adjacent to mini golf course.	December 2012	Early 2013
East Preston, Sea Lane	Survey, design and improvements to existing ditch and sea outfall at southern end of Sea Lane.	2013/14	2014/15
Ferring, Sea Lane	Survey, design and improvements to existing sea outfall at southern end of Sea Lane.	2013/14	2014/15
Rustington, Tasman Close (Private Road / Outfall).	Jetting and CCTV survey carried out by WSCC. Survey, design and improvements to existing sea outfall required.	2013/14	2014/15
Middleton, Elmer Road	Elmer Road to Ancton Lane ditch line. Ditch line cleared of overgrowth etc. piped system below ditch jetted and some repair work identified.	N/A	Currently on site carrying out work/
Middleton, Comet Corner	Ensure this area is included in the proposed SWMP for the Lidsey catchment. Consider additional channel to connect 'Comet Corner' north direct to the Ryebank Rife.	1 <sup>st</sup> year winter monitoring complete. 2 <sup>nd</sup> year winter monitoring due to start shortly.	N/A
Pagham, Hook Lane Close	Improvement works to existing highway drainage system currently underway. New outfall to existing ditch line installed.	N/A	Complete
Shripney, Shripney Lane	Survey, design and improvements / replacement of existing culvert under Shripney Lane.	2013/14	2014/15

<b>Location</b>	<b>Description</b>	<b>Design Timescale</b>	<b>Construction Timescale</b>
Earnley, Bookers Lane	WSCC Contribution toward additional flood relief channel to be constructed as part of the Medmerry works.	Currently underway.	Early to mid 2013.
Chichester, College Lane	Area is currently drained to soakaways, hence high ground water levels also result in flooding at this location. Survey, design and improvements to existing highway drainage system at the southern end of College Lane. Consider possible connection to existing surface water systems in Litten Terrace or Franklin Place.	2012/13	2013/14
Chichester, Fishbourne Road East	Minor improvements to be made to existing highway drainage in the area plus construction of a road hump and raised kerbing at junction of Apuldrum Lane North. Consider improvements to existing culvert along Fishbourne Road East and / or upstream attenuation to reduce flood risk.	2012/13	2012/13
		2013/14	2014/15
Chichester, A27 / Bognor Road junction	Area is currently drained to soakaways, hence high ground water levels also result in flooding at this location. Consider improvements to existing drainage system. Can a positive outfall be constructed?	Investigation 2013	-
Chichester, Parklands	Much of the area appears to drain to soakaways or the SWS surface water network. Carry out a survey of the area to gain a better understanding of the existing drainage network.	Investigation 2013	-
Fishbourne, Main Road	Carry out CCTV inspection of existing culverts (3 in total) under A259.	Dec 2012	-

<b>Location</b>	<b>Description</b>	<b>Design Timescale</b>	<b>Construction Timescale</b>
Birdham, Church Lane	Continue work currently underway to prove ditch outfall from Church Lane to Crooked Lane via Birdham School playing field.	Currently underway.	-
East Grinstead, Beeching Way	Carry out improvement works to existing road gullies.	2012/13	2013/14
Midhurst, Holmbush Culvert	Ensure a suitable maintenance regime is in place.	Complete	-
Ashington, Mill Lane / The Hollow.	Survey, design and propose improvements for area. Consider upstream attenuation to reduce flood risk and culvert improvements at 'The Hollow'.	2013/14	Extent of works yet to be identified.
Bersted, A259 Bognor Road	From the petrol station to The Royal Oak Pub. The existing highway drainage in this area is split between a WSCC highway system and the existing SWS surface water network. A better understanding is required of the network at this location. Carry out a survey of the area to gain a better understanding of the existing drainage network.	2013	-
Littleworth, Littleworth Lane	Continue work with local residents to improve existing drainage in the area. Main problem is surface water run off from adjacent farm land. Carry out CCTV survey of existing highway drainage network.	Currently underway.	2013
Bosham, Delling Lane	Jetting and CCTV survey complete. Repairs to problems identified during survey to be carried out shortly.	Survey work complete. Minor repair work underway.	New road crossing 2013/14.

<b>Location</b>	<b>Description</b>	<b>Design Timescale</b>	<b>Construction Timescale</b>
Bosham, Taylors Lane	Jetting and CCTV survey complete. Damaged sections of pipe to be replaced.	Survey work complete. Repair work programmed.	2013/14
Bosham, Newells Lane	Extent of ditching works identified. Work yet to be carried out.	N/A	2013/14
Cowfold, A272 Station Road	Design work underway to reduce flood risk to property adjacent to main road.	Currently underway.	2013/14
Easebourne, Easebourne Street / A272	Mainly to land drainage issue. We have met with the landowner and have an agreed system of land management in place.	N/A	Complete

**Drainage enquiries received, works and investigations carried out since June 2012:**

Total number of drainage enquiries received since June 2012 -	2536
Total number of drainage jobs completed since June 2012 -	231
Number of drainage jobs outstanding -	233
Total number of jetting jobs completed since June 2012 -	174
Number of jetting jobs outstanding -	55



**Drainage Works Complete Since June 2012.**

Drainage Works Complete Since June 2012.

Job Number	Job Notes	Site Name	Area Name	Job Location
917357	Please rod and clear any blockages(Enquiry 244295)	Fish Lane	ALDWICK	near to junction with Chawkmere crescent eastings:491772 northings:98632 and Eastings491790 northings98631
824102	From Gully on access to garages, lay 13m x 150mm plastic pipe in verge to chamber end of verge/f/w	Downs Way	ANGMERING	opp 104, on access to garages. (constraints garage access required)
916584	please can gang lift cover to see who it belongs to, please report findings back to Garnett Scammell to pass on findings to me, thanks jane (Enquiry 409843)	Ferndale Walk To Greenacres Ring	ANGMERING	near to garages (map in sharepoint) eastings: 507142 northings:104831
918885	please check outlet from gully outside no 1 as floods in heavy rainfall and water takes awhile to drain away	The Pines	ANGMERING	o/s No 1
917057	please rod gully/investigate (Enquiry 10733)	Handcross Road	ANSTY AND STAPLEFIELD	o/s number 3 Handcross road, eastings:527334 northings:128383
916015	Form tarmac bund across entrance as marked 12m x0.5m x50mm.	Staplefield Lane	ANSTY AND STAPLEFIELD	o/s Whitehouse Cottage 526933,126388
916019	Drainage investigation as per site specific sheet.	Staplefield Lane	ANSTY AND STAPLEFIELD	south of Whitehouse Farm to North of Whitehouse Cottage 526905,126142 to 526958,126559
918095	Investigate gully and chamber and locate outlets.	Staplefield Road	ANSTY AND STAPLEFIELD	j/o Slough Green Lane 528461,126016
914385	Carry out investigation and other drainage works as per site specific sheet.	Warningld Road	ANSTY AND STAPLEFIELD	Staplefield Common to Cuckfield Road 527427,128082 to 527613,128109
189078	Added to 2012 Ditch Maintenance Program. Target completion 31/09/12. Dig out ditch to below any piped levels. See spreadsheet for site details. Remove spoil from site.	Birdham Road	APPLEDRAM	See attached plan.
915385	*Sat night/sunday morning heavy rain has caused surface water to run down the driveway of Cobb Cottage North. Suspected cause is faulty granite sets/drop at edge of road. This has caused several ton of gravel to move. Please investigate □ (Call Back Reque	Selsfield Road	ARDINGLY	Outside Cobb Cottage North
916066	Clear sumps as required,leave arisings on site, rod outlets to carrier/outfall, up to 16no gullies.	West Hill	ARDINGLY	Ardingly reservoir causeway. 533059,129954 to 533362,129778
917189	Please rod and investigate and clear any blockages (Enquiry 248222)( 4 x gullies have been marked with green paint by conways)	West Hill	ARDINGLY	West Hill, Balcome, Ardingly. (see map in sharepoint)
917939	(follow on job from job no 917865 see Conway sheet in sharepoint) Hand cut hedge to gain access dig in verge and prove outfall and repair as necessary	Ford Road	ARUNDEL	in verge opposite 72a, between eastings:500990 northings:106406 and eastings:500971 northings:106379
826565	Investigate why road has collapsed (WS Obst flood,spill,tree,hedge)	Kings Arms Hill	ARUNDEL	outside the side of number 49 maltravers street
823036	Connect culverted water course to highway drainage system as marked on plan, by means of a new inspection chamber, to be installed in c'way. Please note that plans indicate the culvert is cased in concrete. (there are no inspection chambers to culverted wa	Cricketers Close	ASHINGTON	o/s no 3
916054	replace gully with new & re-bed 6 sets	London Road	ASHINGTON	on the east side of London Road, immediately south of □ Turnpike Way.
824101	From MHC adjacent to public right of way, excavate onto pipe and replace 3m x 300mm plastic, reinstate DBM hard stand as existing.	Hammerwood Road	ASHURST WOOD	rear of link house (link hse used a office, staff will move vehicles to assist.
824228	reset 2no. manhole covers in verge (Enquiry 307067)	Handcross Road	BALCOMBE	Approx 125m northwest of Railway bridge See Map (due to remaining road width, please park on verges to maintain road width)
917024	*Excavate find outlet and rod as necessary: □	Shripney Lane	BERSTED	o/s Barnfield House, junction A29 Eastings:493833, northings:102039
917859	please rod/investigate gully (suspected blocked outlet(Enquiry 260343)	Cranham Avenue	BILLINGSHURST	O/S No.10
65568	please rod to find break in pipe dig to repair and clear system	Daux Avenue	BILLINGSHURST	outside 3 as detailed on plan and photographs
916669	empy brick debris from pit	Daux Avenue	BILLINGSHURST	station road (r bone knows location)
918913	rod gully to clear flood	Lower Station Road	BILLINGSHURST	outside number 33 (parked cars)
917695	Please clear ditch	Main Road	BIRDHAM	TM REQUIRED see map in sharepoint west of shipton Green Lane between eastings:481078 northings:99270 and eastings:481301 northings:99304
918068	Please rod 2 x gullies	Belmont Street	BOGNOR REGIS	D87/24 in western vehicle entrance to flats Mountbatten Court & approx 3m east of W. Jones Ford Specialists Service Centre & approx 6m east of street light column no 13 - Health, Fitness & Leisure Club eastings:493604 northing:98965 and 493573 northings
917075	ROD AND INVESTIGATE/REPAIR (GULLY ID16365)	Parklands Avenue	BOGNOR REGIS	corner of Liden Road EASTINGS493,030 NORTHINGS:99.679.00
916535	Drainage. Install kerbs as marked to hold highway water on c'way.	Cherry Lane	BOLNEY	o/s Stone House
916776	Replace existing 600x400 frame and cover with new bolt down cover type. Concrete surround required. In verge.	London Road	BOLNEY	approx 10m north of entrance to Wellmead East 526479,123547
917065	please rod gully and clear blockage	Bosham Lane	BOSHAM	outside house called Stokes eastings480,833 northings104,321
914635	Please install new gully o/s no 21 and connect up with 20m of 150m pipe to existing gully o/s no 16 , also please install 4m dropped kerb between no 21 Gifford rd and no 17b Montague ave with 30mm upstand (Enquiry 408184)	Gifford Road	BOSHAM	o/s 21 gifford road, between eastings:481406, northings:105267 and eastings:481403, northings:105250
917044	Please rod culvert from Northern side to Southern side to relieve water	Old Park Lane	BOSHAM	outside Withy cottage
917083	please clear 10m ditch away from outlet	Smugglers Lane	BOSHAM	ditch opposite house called watermeadow, between eastings:480106 northings:102231 and eastings:480118 northings:102219
916732	Replace manhole cover in footway - 300 x 450mm (Enquiry 307116) (F/W Cov/Gul sunken - raised)	Old Guildford Road	BROADBRIDGE HEATH	opposite Hollands Field
824070	Lay 27m x 150mm plastic pipe in c'way to connect from carrier in c'way to gully. Install Inspection chamber at connection, see plan (whilst excavating across junction of oak lane, carry out in two half and maintain access, temp road plates maybe required	Wickhurst Lane	BROADBRIDGE HEATH	From o/s exit to school. (Constraints School, suggest carry out of term time or OOH)
916936	Clear blockage in gully 2m in where possible and report back findings, thanks SEE CONWAY SHEET IN SHAREPOINT	Alexandra Road	BURGESS HILL	JUNCTION OF ALEXANDRA ROAD AND SILVERDALE ROAD EASTINGS: 532274, NORTHINGS:118776 GULLY ID 5043
914378	Excavate as marked to repair 4"or6" salt glazed pipe in c'way and fill void with GSB, patch c'way to suit as per site specific sheet.	Barons Court	BURGESS HILL	s/o 11 oakwood road 531837,118904.
918092	Investigate gully and rod outlet as per Conway report no 416	keymer Road	BURGESS HILL	o/s Parklands 531817,117766
914379	Excavate in c'way to investigate and repair broken pipe as per site specific sheet.	Leylands Road	BURGESS HILL	o/s 44 532119,120060
916160	Drainage excavate in c'way as marked as per site specific sheet to clear blockage.	Leylands Road	BURGESS HILL	j/o London Road 530836,119669
916349	rod gullies to find blockage	Bury Road	BURY	Outside Thatched Cottage opposite B2138
64903	Clear chamber of roots and prove outfall pipework	Cedar Drive	CHICHESTER	Opposite 50 EASTINGS:485467 NORTHINGS:105261
918071	please rod gully	Kingsham Road	CHICHESTER	C149/1 opp 34 & opp approx 1m east of no 33 - o/s Chichester High School for Boys
916036	Replace gully with new / deeper gully as per plan and replace 5m of pipe	New Park Road	CHICHESTER	o/s 19 at junction of Litten Terrace. Plans & stats in sharepoint
916985	see conway comments(in sharepoint) Gully E19375 was jetted but water is ejecting out of gully o/s 67 please rod/investigate to outfall and clear any blockages	Oliver Whitby Road	CHICHESTER	O/S 67 EASTINGS: 484991, NORTHINGS:105314
824589	with supercombo and Conways CCTV, clean gullies, assoc. catch pits, jet carrier and map system.	Portfield Way	CHICHESTER	From A27 PORTFIELD ROUNDABOUT to A285 SAINSBURYS ROUNDABOUT, see plan, (constraints, dual carriage way, suggest use of blocking vehicles)
65539	Please rod gully to establish break in pipe or y connection into carrier.	Whyke Road	CHICHESTER	Junction Whyke lane
915914	please install 1 new gully (marked on site with X) and connect up with 7m 150mm pipe to ditch opposite	Drift Lane	CHIDHAM	o/s The Old Cottage, EASTINGS:479300 NORTHINGS:105402
65533	Please rod and clear outlet and outfall to ensure free flow of gully	Hambrook Hill South	CHIDHAM	Hambrook hill A27 Emergency access gate as per plan(working in gateway off live highway signing required)(dead end road)

915198	drainage investigation required to determine outfall of both gullies (carriageway and side entry marked on map in sharepoint) and clear outfall if in ditch o/s The Cottage, (If further info required please contact John Bowyer) (Enquiry 251616)	Cocking Causeway	COCKING	o/s house called The Cottage, between Eastings488312, Northing:119721 and Eastings:488327 and Northings:119737
918544	Investigate pit in footway as per Conway report 493.	Albany Road	CRAWLEY	o/s 55 526094,136558
918477	Attend site with EA to investigate surface water systems as directed by them. Lift various covers for inspection.	Balcombe Road	CRAWLEY	Flower Shop to Crematorium. 529756,139065
65069	please supply 3 in 1 to clear detritus from footway and prove gully outlet	Church Street	CRAWLEY	church street junction with field road
917612	Drainage Rod outlet to main carrier and report.Gully no 25878. (see links in job)	Church Street	CRAWLEY	o/s 26 526330,136657
916465	Drainage investigation.Rod outlet, locate and clear obstruction.	Friston Walk	CRAWLEY	o/s 12 525431,137472
915518	Form Grips as marked as per site specific sheet 11no total @ 3m x 0.5m	Horsham Road	CRAWLEY	LC 118 to LC 150 524955,134915 to 524422,134741.
917614	Drainage Clear gully no 25906 Rod outlet to outfall/main and report.	Horsham Road	CRAWLEY	o/s 32 526346,136529
915944	Check sump and rod outlet. Report findings.	ifield Road	CRAWLEY	o/s 235 525799,137104
917613	Drainage Clear side entry gully 25937 Rod outlet to carrier and report.	ifield Road	CRAWLEY	o/s 64 526299,136672
916445	Drainage investigation Clear sump/locate outlet clear and rod to carrier.	Spindle Way	CRAWLEY	J/O Haslett Avenue East 527576,136543
918802	Drainage Clear gully rod outlet to outfall and locate possible 2nd gully.	Hanlye Lane	CUCKFIELD	J/O Balcombe Road and Borde Hill Lane 532472,125745
918104	Investigate system and gullies	London Lane	CUCKFIELD	Throughout 530532/125029 to 530989,124701
918770	Drainage, Form tarmac bund across entrance to car park, 7m x0.5mx75mm. Park in car park.	London Road	CUCKFIELD	O/s Rose and Crown pub 530536/125026
64373	Install 7 No. new gullies in highway adjacent to existing verge gullies. Gullies to be fitted with 600 x 600 gully gratings.	A285 Barlavington Down To Folly Lane	DUNCTON	"Duncton Hill. □ Bottom of Duncton Hill to View point." Constant flooding on the bend to Dyers Copse, Eartham in Thicket Lane BETWEEN EASTINGS492645 NORTHINGS:108457 AND EASTINGS:492731 NORTHINGS:108403
916424	Please cut 9 x grips marked on site to try to alleviate flooding at low point (job for Scoop)	Thicket Lane	EARTHAM	AND EASTINGS:492731 NORTHINGS:108403
917596	lift manhole rod./investigate and repair as necessary(Enquiry 260383)	Hollist Lane	EASEBOURNE	At the entrance to the drive to Rotherlea, between long meadow and brook cottage
914580	Excavate trial hole in footway to locate source of underground water affecting stability of footway.	Alders Avenue	EAST GRINSTEAD	o/s 24/22 538987,139354
823034	From the garden of no. 60 remove pug from base of catch pit and clear where possible inlets and outlet to allow for jetting.	Fairfield Road	EAST GRINSTEAD	no. 60, contact for access, Victoria Butler - 07737 567751 [01342 315677] email: victoriajbutler@me.com
823035	Further to the walk, talk and build site visit, install over flow pipes to the 225mm carriers that run through the gardens of both 60 and 66. outfall pipe away from carrier supported with concrete bag work, outfall pipes at surface level, with 1m3 sump di	Fairfield Road	EAST GRINSTEAD	no. 60, contact for access, Victoria Butler - 07737 567751 [01342 315677] email: victoriajbutler@me.com, access for 66, Mrs Rebecca Gatton 07545 989605
916410	Investigate surcharging gully, locate outlet.	Faraday Avenue	EAST GRINSTEAD	o/s 7/9 539601,136866
916411	Clear gully, locate outlet and rod thru	Hermitage Lane	EAST GRINSTEAD	o/s Ariston 539633,137748
822242	From gully o/s 69, trace 150mm pipe to break approx on entrance to property, excavate and repair as necessary, ensure void under f/w is reinstated and reinstate dbm f/w and access like for like. In addition as part of same system, install New road gully	Hermitage Road	EAST GRINSTEAD	Two location as part of same system, either end of PROW 418Sy (Eden vale and hermitage road, o/s 69) Pls see Map STATS Required for both ends 538986, 139420 and 538963, 139362
916072	Drainage excavate in c/way to locate blockage as marked as per site specific sheet.	Imberhorne Lane	EAST GRINSTEAD	o/s Peter Jones Engineering entrance 537625,139170
823913	Excavate and relay 5m x 150mm pipe from gully j.w to inspection chamber, or next sound joint in pipe from break.	Ship Street	EAST GRINSTEAD	Junction with Portland Road, (constraints junctions, overhead cables)
916426	Drainage,Check manholes, Clear gully sumps, Rod outlets to carrier and report.	West Hoathly Road	EAST GRINSTEAD	Admirals Bridge Lane to County Boundary 538276,134771 to 538084,134561
191206	Regrade ditch from below inlet to outlet. Approx 40m length.	Sea Lane	EAST PRESTON	O/s No.1 Tamarisk Way (Contraints: Removeable socket bollards at access point/Junctions)
191207	Replace defective cover and frame within verge section.	Sea Lane	EAST PRESTON	Side of No.1 Tamarisk Way (Contraints: Removeable socket bollards at access point/Junctions)
918332	(Follow on job from jetting job no192213 please see links) please dig down and investigate possible broken pipe and repair as necessary (Outcome BT have damaged our pipe JB to pass info to Shaun Prior to chase BT for repair)	Bracklesham Lane	EAST WITTERING	O/s Cliffords Cottage Restaurant (between eastings:480713 northings:96875 and eastings:480734 northings:96922
917995	clear ditch as necessary and construt new manhole - STATS ALREADY IN SHAREPOINT	Fitzhall Road	ELSTED	jun with Trotton Road / Station Road - STATS ALREADY IN SHAREPOINT
917921	Please dig out highway ditch (Enquiry 257655)	Trotton Road	ELSTED	TM REQUIRED side of Oakhurst Cottage between Eastings:483204, northings:120992 and Eastings:483257, Northings: 120893
916076	please dig trial hole to investigate cause of water rising up through footway/wall o/s no 11 and running into garden of no 11, please report back to Garnett Scammell so that he can pass results to Jane Trimmer	Bishops Close	FERNHURST	side of 11 bishops close (In Nappers wood), eastings: 489377, northings:128740
916317	please dig slip trench in verge to Bishops Close down to 200mm deep look for water then top up with stone/turf on top	Nappers Wood	FERNHURST	DIG TRENCH in Nappers Wood side of no 11 Bishops Close (see Map in Sharepoint) Between EASTINGS:489384 NORTHINGS:128753 AND EASTINGS:489370 NORTHINGS:128732
917174	Please Rod and Repair as necessary(Enquiry 249822)	Main Road	FISHBOURNE	Half way between Blackboy Lane & Salt Hill Road opposite the clinic in front of the bus shelter.(see map in sharepoint)
914671	Please construct concrete apron around gully (Enquiry 408790)	School Lane	FITTLEWORTH	on verge in front of evangelical church EASTINGS: 501128. NORTHINGS: 119054
918728	rod gully to manhole to clear any blockage or any break in pipe run	School Lane	FITTLEWORTH	outside no 21 (entrance to car park near by)
917566	please cut up to 6 shallow wide grips to alleviate flooding	B2178 Southbrook Road To Mouthays Lane	FUNTINGTON	TWO WAY LIGHTS WILL BE REQUIRED Approx 250m east of Southbrook Road. map and photos in sharepoint; BETWEEN EASTINGS:481751 NORTHINGS:107922 AND EASTINGS:481525 AND NORTHINGS:107978
192352	JCB required to expose pipe and headwall to effectively and comprehensively clear culvert with a view to increasing flow capacity of pipe and ditch. Request JCB also clears vegetation from embankments of ditch [ non prejudice works]. Length of ditch clea	Newells Lane	FUNTINGTON	Approx 350m south of Struan House by culvert rails.
917239	Please rod and repair as necessary, Possible broken pipe	Selham Road	GRAFFHAM	outside Drovers eastings:493183 northings:120675
916123	please cut 5 x grips	B2146 Torberry Lane To Old Ditcham	HARTING	on the approach to camrose cottage EASTINGS:476819 NORTHINGS:119997 east
914761	2mx0.6 of concrete bags and backfill with concrete and pin (carriageway drops off into ditch)	Hollist Lane	HARTING	Outside Hollist Farm,side of access(contractors may be able to pull into driveway of Hollist farm with owners permission?) eastings:479807 northings:119722
917692	Please rod 4 x gullies GULLY B4020 STILL BLOCKED AFTER JETTING, PLEASE ROD/INVESTIGATE TO CLEAR ANY BLOCKAGES(Enquiry 10711)	Dale Avenue	HASSOCKS	CONES MAY NEED TO PUT OVER GULLIES TO STOP CARS PARKING OVER THEM PRIOR TO VISITING SITE, ALSO AVOID DROP OFF AND PICK UP TIMES FOR SCHOOL O/s 2 by entrance to school and 2 opposite (map in sharepoint with gullies marked) BETWEEN EASTINGS530881 NORTHINGS:
917074		Keymer Road	HASSOCKS	O/S TAKEAWAY , eastings:530793 northings:115489 (cones may be required few days before so no cars can park over it)
917987	Raise setts and patch c/way as marked as per site specific sheet.	Ashenground Road	HAYWARDS HEATH	o/s 43 533138,123134
914764	Investigate void in footway after initial make safe. (Enquiry 248210) (F/W hazard trip/depression)	Beech Hill	HAYWARDS HEATH	Outside 123 Beech Hill.
917988	Investigate gullies and clear outlets to carrier.	Haywards Road	HAYWARDS HEATH	o/s 44 & 51 533170,123427 to 533177,123428
915388	Rod gully to clear flooding problems	Sergison Road	HAYWARDS HEATH	Outside No. 38
916487	install gully and connect to manhole or existing gully	Cagefoot Lane	HENFIELD	high street junction with cagefoot lane as marked on site
917849	break out concrete in gully out let pipe	Blatchford Road	HORSHAM	opposite Bryant fixings
916665	Road is flooded where the disabled bays are,rod gullies to find any blockage	Causeway	HORSHAM	Junction South Street as plan
917397	rod gullies to clear flood	Guldford Road	HORSHAM	outside chaldens and chaldens cottage
916355	rod gully to find block	Milton Road	HORSHAM	Storm drain outside no 11 Milton Road Horsham
916347	rod gully to find blockage	Redford Avenue	HORSHAM	os 117
916569	clear gully tops and rod where needed	Sedgwick Lane	HORSHAM	from A281 to stream
918125	replace ligully top and rod all gullies	Station Close	HORSHAM	station close
918596	Drainage investigate locate and clear blockage as per conway report 16114. Also clear aprons and grids.	Birchgrove Road	HORSTED KEYNES	Warren Farm to South East Water station. 539294,129057 to 539161,128781
918592	Drainage investigate, locate and clear blockages as per conway report 18713. Also clean off all gully aprons and grids.	Keystford Lane	HORSTED KEYNES	Hedhurst farm to Tyhurst 537349,127846 to 537579,127814
916178	please clear ditches/headwalls as necessary	Selsay Road	HUNSTON	map on sharepoint, between eastings:486341 northings:102081 and eastings:486249, northings:101928

916829	PLEASE CLEAR DITCH AS DIRECTED BY JONATHAN ULLMER	Plaistow Road	KIRDFORD	FLOOD PLAISTOW ROAD, KIRDFORD, NR COSTRONG FARM BETWEEN EASTINGS:501982, NORTHINGS:129093
916313	clear head walls of culverts and small length of ditch	Village Road	KIRDFORD	Boxal Bridge area as plan in sharepoint
917485	rod gully (see wscw works order in links)	Grinstead Lane	LANCING	56 Grinstead Lane
826794	Pothole repair PLEASE SAW cut 0.4x0.4x0.055 NB BE AWARE RIGHT ON JUNCTION !!! (Potholes)	Manor Road	LANCING	junction griffiths avenue
918631	rod gully to find any break in pipe	Norh Road	LANCING	outside fish bar, parked cars pedestrian crossing
917245	Install new 9 inch pipe to connect to existing pipe from The Cottage garden. Construct new catchpit (C1/A FWS3) in verge to connect to new 9inch pipe. From catchpit lay new 6 inch pipe into gully. Park vehicle in driveway	Fordwater Road	LAVANT	O/S The Cottage between Fordwater Road and property garden.
917909	Please rod and clear (blocked outlet 1m in) (conway defect 345)	Hollycombe Lane	LINCH	o/s Hollycombe house near bridge eastings:485125 northings:129337
916877	Drainage investigation as per site specific sheet	East Mascalls Road	LINDFIELD RURAL	East Mascalls Bridge to East Maskells 536545,125459 to 536587,125679
915387	blocked drain on appledore gardens small lade outside 25a has now been drazined but still blocked (Enquiry 249536)*	Appledore Gardens	LINDFIELD URBAN	blocked drain on appledore gardens small lade outside 25a
917062	Please repair broken pipe and reinstate as necessary	Backwoods Lane	LINDFIELD URBAN	o/s cricket ground, eastings: 534597 northings:125027
917409	Please rod/inv gully (Gully ID28436)	Toddington Lane	LITTLEHAMPTON	OPP NO 18 (Mill Lane)
917243	Please rod 3 x gullies to main carrier	Selham Road	LODSWORTH	by entrance to saw mill (see map in sharepoint)
915826	cut grips / clear ditrch where necessary	Brookland Lane	LOXWOOD	as per plans given to John Bingham. Stats provided direct
193313	UN JAM 600MM DIA MANHOLE COVER AND RAISE BY A COURSE OF BRICKS. IF UNABLE TO UN JAM PLEASE RE PLACE COVER. ROD PIPE BACK TOWARDS ROAD AND CLEAR BLOCKAGE.	High Street	LOXWOOD	BETWEEN CANAL AND DC CLIFTON AND SON NORTHBOUND BEWTEEN E504030 N131221 AND E504047 N131212
191905	Dig down and replace pipe in highlighter section between two gullies. Relay in concrete bed and surround to prevent further root ingress.	Station Road	LOXWOOD	Between Larkrise and Old Oak House
915934	clear ditch either side of culvert and create / redig grips as necessary along area of plan - as discussed with John Bingham , Scoop job (Enquiry 409287)	Roundhurst Lane	LURGASHALL	Approx 60m south of property named Faral. In low spot. Plan in sharepoint
915935	redig grips as necessary along area of plan - as discussed with John Bingham , Scoop job (Enquiry 409287)	Roundhurst Lane	LURGASHALL	in the vicinity of Holly Tree Cottage - plan in sharepoint
824119	Install 2 new road gullies, connect in existing acoo drain and connect to existing gully on access total pipe length, 12m x 150mm plastic pipe, trench through dbm c'way approx 6m remaining within verge. Reinstate as existing.	Elmer Road	MIDDLETON-ON-SEA	fo/s 118, see plan, (Constrants Junctions, overhead cables, bus route)
824454	Excavate defective pipe section within junction and replace in plastic, (gully to gully) 8 x 150mm Re-instate as existing (dbm access road)	Elmer Road	MIDDLETON-ON-SEA	within junction to TEMPLESHEEN ROAD, private road, o/s The Cabin Pub. Constraints works across junction, PH, bus route and turning point for bus (reverses into junction to turn) suggest to early morning works to avoid disruption)
824465	From behind gully on access, uncover burried chamber and install lid, and patch surround in dbm, to allow futrue jetting.	Elmer Road	MIDDLETON-ON-SEA	o/s 133, see map. (Constraints, bus route, access)
914673	Large hole approx 250mm x 150mm deep by side of gully - made safe as an emergency needs investigation/ permanent repair) (WS Obst flood,spill,tree,hedge)	Red Lion Street	MIDHURST	o/s the Swan Inn
915828	scrap road as necessary	lping Road	MILLAND	as necessary
915728	Grips need re digging as plan to be given to John Bingham by J Ullmer also clear 10m of ditch	Milland Lane	MILLAND	Milland Lane as plan
63967	Please supply sweeper and clear detritus following flooding	West Sussex County Council	NO CODE ALLOCATED	As Directed by client
914404	provide various jettors / tankers to attend to emergencies as directed from 11th June - 18th June	West Sussex County Council	NO CODE ALLOCATED	various
916356	rod gully to find blockage	Godwin Way	NORTH HORSHAM	corner of Crawley Road
918582	rod pipe to find blockage, relay pipe as necessary, dig out ditch to clear end of pipe	Langhurst Wood Road	NORTH HORSHAM	near Pondtail house in farm gate way Between e517587 n133722 and e517566 n133739
916913	please clear 100m of ditch and make sure gully is running	Bowley Lane	NORTH MUNDHAM	between Smith's Barn and croft cottage, between eastings488308 northings:100337 and eastings:488396 northing:100290(see map in sharepoint)
917082	clear 10m of ditch to alleviate gully outlet (Enquiry 251003)	Brookside	NORTH MUNDHAM	junction of Brookside/Lagness Road BETWEEN EASTINGS:488428 NORTHINGS:102373 AND EASTINGS:488417 NORTHINGS:102366
917580	install new pipe approx 3m	Brighton Road	NUTHURST	"Friars Field"
914621	trial hole required as attached plan	Copsale Road	NUTHURST	Brighton Road" junction with copsale farm
916894	1.break up and remove collapsed wall that has fallen into ditch, 2. build concrete bagged headwall and form concrete spillway at top of wall. 3.Install twin culvert rails 9m plus end returns(enquiry 257476)	Church Lane	OVING	On right hand side of lane just before cycle path EASTINGS:490176 NORTHINGS:105321
916053	Clear ditches as necessary / cut grips	Marsh Lane	OVING	as necessary following walk through - stats already provided / road closure already organised as haunching works taking place at same time
822852	Cut steel plate to bed in to rear of gully to cover exposed/void approx 0.75 x 0.3, reinstate verge to rear as existing, see photo	Woodhorn Lane	OVING	JUST NORTH OF OVING NEW ROAD, SIDE OF SOUTHBOUND CARRIAGEWAY (due to width of c'way, please park on verge and work from verge to prevent a road closure)
916157	clear ditches as necessary to aid flooding situation. (Enquiry 409483)	Lower Bognor Road	PAGHAM	Opposite Park Farm Lagness. - stats hopefully in sharepoint by 10th august
916592	please repair section of broken pipe found by conways during gully cleaning	Sea Lane	PAGHAM	between no's 49 and 47 between eastings:488919 northings:97440 and eastings:488959 northings:97420 map on sharepoint
916340	"Southern Water have attended a water leak here but have said that most of the water flowing out of France Lane down Arundel Rd is due to the blocked culverts and drains at the bottom of France Lane. Easting: 508569 North	France Lane	PATCHING	Flows out of France Lane into Arundel Road
193392	Please replace 2no 550mmx350mm gully gratings.Marked J on road.	Balls Cross Road	PETWORTH	1 is 65m west of Ratford Farm Gully E44703.westbound carriageway E497761 N123966, 1 is 210m west of Keyfox Farm Gully E83741, eastbound carriageway E497736 N123826.
915936	Lower gully in verge and build apron	Plaistow Road	PLAISTOW	marked on map in sharepoint o/s house caled silver birches Eastings:502275 Northings:130708
915927	scrape road and report if further works necessary. (Enquiry 406509)	Langley Lane	ROGATE	Throughout road section.
917861	Please rod/investigage blockage and repair as necessary	Church Street	RUDGWICK	Outside no 8 Buckhurst Cottages.
914914	install new gully and connect to excising.lay 5m x225mm pipe	Guldford Road	RUDGWICK	A281 DRAINAGE BY FISHERY CLEMFOld as inspection sheet and marked on site
916109	clear debris away from culvert entrance	Loxwood Road	RUDGWICK	Bridge roughly 300 meters east of Mucky Duck PH
64660	Clear ditch and clear culvert pipes under driveway	Charlwood Road	RUSPER	From woodlands to Rose cottage 524096,139186 to 524092,139255
916232	drainage investigation requires rodding to see cause of flooding please confirm date of commencing works with NM	Cooks Mead	RUSPER	o/s No. 14 in bellmouth as marked on plan
916475	Drainage investigation. Locate and clear obstruction as per Conway report 155 2m towards driveway from gully	East Street	RUSPER	O/s Oaks Cottage 520907,137208
917149	lay 14.5m dropped kerb with a 50mm upstand & patch road 14.5m x 2.5m with DBM to stop	Friday Street	RUSPER	Directly in the driveway and road on Friday street opposite Great Benhams
914370	lay 225mm x 7m under drive clear verge and back fill	Lambs Green	RUSPER	outside property called cobnor
916118	replace concrete manhole cover with heavy duty manhole cover	Orltons Lane	RUSPER	on culvert. 5 mile from the mount as attached plan
915957	Drainage repairs/investigation as marked as per site specific sheet.	Rusper Road	RUSPER	o/s CCM Garage 522971,137333 to 523072,137316
916234	drainage investigation required	The Mount	RUSPER	outside mount barn as plan and marked on site
918576	clear approx 20 of ditchline,install 2 new gullies& rod pipeline as SIS	The Mount	RUSPER	outside mount barn,North Gate & near Hilltop Cottages as plan
918811	Remove buddleia roots from wall. J. ULLMER REQUESTS K HARBER & M WEBB to do this job (Enquiry 257132)	Mill Lane	RUSTINGTON	o/s windmill pub
915866	remove 2 x botholes and replace with carriageway gullies (marked on site with X), also change small footway gully to 300x300	Beach Road	SELSEY	install carriageway gullies o/s 5 and 15 and install larger footway gully o/s no 9, between EASTINGS:485997 NORTHINGS:93596 AND EASTINGS:486047 NORTHINGS:93587
917081	BUILD TARMAC HUMP ACROSS WHOLE OF ACCESS APPROX 24M TO ALLIEVIATE WATER GOING ONTO ACCESS FROM CARRIAGEWAY	Church Road	SELSEY	O/S 15 (MAP ON SHAREPOINT) between Eastings: 485788 northings:93666 and eastings:485811 and N:93651

917114	Please rod/investigate and clear blockages in 2 x swan neck gullies(Enquiry 409212)	Selsey Road	SELSEY	south of ferry corner northbound carriageway, opp house called wayside and opp ferry farm house BETWEEN EASTINGS:485676 N:96173 AND EASTINGS:485668 AND NORTHINGS:96176
915132	Drainage investigation required (rod pipeline) Beside PO marker water comes out onto road instead of entering ditch	Emms Lane	SHIPLEY	300m. or so from junction with Trout Lane opposite Chivers,
917640	Install 2 pits lay 30m of 225mm pipe,rod existing pipe run and clear out approx 30m of ditch	Sircox Lane	SHIPLEY	outside and opposite Falconers Farm
918507	Investigate and rod outlet from gully to chamber in footway. Check flow through chamber.	Ham Road	SHOREHAM-BY-SEA	opposite Mercury House 521986,105222
918266	Investigate gullies and pipe runs Locate and clear blockage and outlets. See Conway report 63	Southdown Road	SHOREHAM-BY-SEA	j/o Western Road 521515,105310 to 521491,105288 to 521559,105292
63922	Broken manhole cover in vehicle access, already made safe with cone, can cover be lifted to confirm ownership as Southern water saying not their's so might be a private sewer cover, showing on I browse as southern water sewer cover and report back to client	Woodards View	SHOREHAM-BY-SEA	outside no 8
191001	Digger/Gang to excavate ditches to find inlet/outlet that runs under carriageway. Clear pipe mouth to ensure post works Jetter can clean pipe run.(also see job nos 185606 and 193457)	Chichester Road	SIDLESHAM	O/s and Opp. Chichester Canvas. See Plan for detail.
189060	Added to 2012 Ditch Maintenance Program. Target completion 31/09/12. Dig out ditch to below any piped levels. See spreadsheet for site details. Remove spoil from site.	Selsey Road	SIDLESHAM	See attached Plan
914920	Please install gully(marked on site with X) in front of bolt hole(leave bolt hole open) and connect up to catchpit behind also please clear away silt/grit that is laying in front of botholt, Thank you (enquiry no 408953)	Selsey Road	SIDLESHAM	o/s house called Harvesters just to left of petrol station EASTINGS:485402 NORTHINGS:98714
917559	please clear ditches as necessary	Selsey Road	SIDLESHAM	two way lights required near to junction with rookery lane by pondtail cottage between Eastings:485615 northings:98149 and eastings:485633 and northings:98044
917562	please clear ditch as necessary	Street End Road	SIDLESHAM	near eaton house between eastings:485061, northings:99575 and eastings:485107 northings:99479
918538	please repair side entry/bolthole cover (gully id D1982)	Street End Road	SIDLESHAM	near to junction with Church Lane see map in sharepoint eastings:485360 northings:99154
918239	Investigate surcharging chamber in footway clear and rod to outfall as marked.	Brighton Road Access Northbound	SLAUGHAM	Opposite j/o Slaugham Park Road,North Lodge 526076,129516
916137	Drainage Rod outlet from surcharging gully to carrier or outfall	Colwood Lane	SLAUGHAM	o/s The Old Laundry 525702,125513
916226	Drainage investigation as per site specific sheet.	Colwood Lane	SLAUGHAM	Rout Lodge to Colwood Court 525616,125221 to 525695,124972
917979	Investigate surcharging gully rod outlet to carrier.	Coos Lane	SLAUGHAM	o/s Phipps House and Lodge. 525127,128476
916155	Drainage as per site specific sheet	High Beeches Lane	SLAUGHAM	nr j/o London Road 526405,130233 and o/s East Lodge 526973,130665
917579	Investigate gully outlet to chamber in footway. Check main carrier as marked as per site specific sheet.	Horsham Road	SLAUGHAM	o/s Rose Cottage 526047,129664
916438	Drainage clear sump, locate outlet and rod to carrier. as marked.	Old Brighton Road South	SLAUGHAM	in turning head opposite Finches Cottages 525951,132814
918243	Investigate 2no chambers in footway and blockage in line as per Conways report 18456	Slaugham Lane	SLAUGHAM	o/s Highlands/High Banks 525004,126129 to 525010,126200
916348	rod gully to find block	Church Lane	SOUTHWATER	Just outside of Graveyard on road. as plan
917064	Please rod gully and clear any blockages (Enquiry 244260)	Station Road	SOUTHWATER	Drain outside of property no 5 eastings:515850 northings:126166
917396	rod system to find any blocks	Tower Hill	SOUTHWATER	Outside property Sospiri and on bend
914614	drainage investigation required to find w/ht road floods	Worthing Road	SOUTHWATER	between Hen and Chicken PH and New Road southwater
915960	take out bolt hole and replace with gully top & frame	Worthing Road	SOUTHWATER	in old layby between new road & hen & chick
917040	JCB required to scrape mud off the road	Iping Lane	STEDHAM-WITH-IPING	throughout lane (see map and photos in sharepoint)
918368	gully (id D3113) ,gully no longer required please infill with concrete (put something over pipe to stop concrete leaking out) and fill to carriageway level and cover over with tarmac	Iping Lane	STEDHAM-WITH-IPING	see map in sharepoint, eastings484868,124442 (QUIET COUNTRY ROAD)
190977	Added to 2012 Ditch maintenance program. Target completion 30/09/2012. Dig out ditch to below any piped levels. Remove spoil from site. See spreadsheet for site details.	School Lane	STEDHAM-WITH-IPING	Ditch down school lane
189223	Added to 2012 Ditch maintenance program. Target completion 30/09/2012. New Grip(s) require digging. Also check status of ditch and if necessary dig out ditch to below any piped levels. Remove spoil from site. See spreadsheet for site details.	The Street	STEDHAM-WITH-IPING	outside bridgefoot cottage
916077	20 Old grips need re digging	The Street	STEDHAM-WITH-IPING	on the approach to the village, between EASTINGS:486079 northings:121935 and Eastings:486139 Northings: 122097 map in sharepoint
917043	footway gully silted 70%, requires cleaning out & rodding to carriers to prove system working (Enquiry 9390)	Church Street	STEYNING	o/s 23 eastings:517758, northings:111252
916957	please rod to outfall (gully id 36117)	Meadowside	STORRINGTON	just before the bridge opposite number 15 (see map and conway form on sharepoint)EASTINGS:509133, NORTHINGS:113989
823041	Install new road gully, connect into arterial gully opposite (8x150mm). Reduce verge as shown on plan to road level, 75m x 0.75, plus reseed on completion. Plus regrade and widen two sections of ditch/grips either side of stream, including the removal of	Finchdean Road	STOUGHTON	from end of rear garden of 25 to opp junction with dean lane end, please see plan. suggest parking verge areas and working from verge to prevent road closure. (Constraints bend, overhead cables)
916175	Clear ditch as plan	Finchdean Road	STOUGHTON	opposite Dean Lane as plans and stats supplied to John Bingham
916831	please construct tarmac hump across the access to alleviate flooding approx 24m long	The Street	SUTTON	o/s 1/2 The Hollow (quiet country road) contractors can pull into layby outside the house, between eastings:498072 northings:116071 and eastings:498061 and northings:116059
915819	grip clearance as necessary	A272 New Road to the Harrows	TILLINGTON	as on plans given to JB along with stats
915820	Scrape road as necessary	Hammer Lane	TROTTON-WITH-CHITHURST	On the cross junction of Hammer Lane & Iping lane.
914627	Replace A.S.A.P. extremely noisy 600x600 Manhole frame and with locking cover. [was changed in Feb 2011 continual noise problems and has been packed and adjusted/relocked several times since then]. Please check manhole top layer brickwork is stable. Stats	Selsfield Road	TURNERS HILL	outside Kingfisher Cottage
918504	dig down to find break on pipe in 2 locations plus find buried cover in footway and raise cover(05/11/2012 dave moore of BB came in to speak about this one he said he has fixed the pipe breaks but says more jetting is required as system blocked No1. please provide concrete spillway from edge of c/w approx 4m x 2m. - No2. continue concrete spillway by widening existing grip towards pipe so 1m wide and lay spillway up to pipe, if pipe too high remove 1m length to adjust. - No3. cut grip marked on si	Hunters Mews	WALBERTON	out side house called Glenroy and other on the corner of Hunters Mews between E495456 N106977 AND E495407 N106991
915662	Relay 25 linear metres of dropped kerb in front of property to give a 25mm upstand to prevent water from tracking over., DBM t/w to rear.	West Walberton Lane	WALBERTON	The Pines, West Walberton Lane( quiet lane) between EASTINGS:495863 NORTHINGS:106757 AND EASTINGS:495908 AND NORTHINGS:106714
824107	dig out grip with mini digger approx 5m	Bognor Road	WARNHAM	o/s marches farmhouse, eastbound, (constraints overhead cables, due to remaining width park partly on verge to maintain road width)
914791	Site Investigationseveral gullies appear to be blocked. various locations between Rock Road and Squires Garden Centre	Dorking Road	WARNHAM	opposite nyes building supplies
917482	Email - Washington Parish Councillors met this week and discussed the recent flooding issues in Washington Village. Members were concerned at the flooding that had taken place at a few properties in particular The Frankland Arms and nearby houses. Counc	London Road Northbound	WASHINGTON	A24 Just north of Washington Roundabout to squires garden centre (lane 1 )
915391	rod 2 gullies as attached sheet	The Pike	WASHINGTON	recent flooding issues in Washington Village
916353	Pipe under Monkmead Lane taking the water from the ditch alongside the path is blocked with debris causing the water to back up and flood the path please rod to clear pipe (see wssc works order in links) no further action required	Gay Street	WEST CHILTINGTON	One outside the property Little Crowell and one at the end of the lane leading to Kilbrannan Farm
917394		Harborough Hill	WEST CHILTINGTON	outside property called Brookwood by public footpath
916119	verge reduction work required	Chilgrove Road	WEST DEAN	see map in sharepoint - , half a mile south of hylters lane, for approx half mile heading south, mainly at side of south bound carriageway between EASTINGS:483448 NORTHINGS:112078 AND EASTINGS 483815 NORTHINGS:110986
916779	Kerbing as marked as per site specific sheet approx 10m	Bines Green	WEST GRINSTEAD	o/s Pinlands Cottage 518994,118248
917977	Excavate and raise frame and cover on surface water system in verge.	Marlipit Road	WEST HOATHLY	
191150	Excavate buried chambers in footway and raise ironwork to allow future access.	Top Road	WEST HOATHLY	O/s No's. 41 and 49
917609	Drainage investigate full gullies, rod outlets to carrier and report. 3No(see conway sheet in links)	Top Road	WEST HOATHLY	Railway Cottages to Lydd Cottage 537115,132463 to 537094,132463
914837	rebuild edge of ditch after lorry slide into it - 8mL x 2mW of concrete bagwork, regrade ditch - RECHARGE Incident No:936	Elms Lane	WEST WITTERING	10m S of Heron Farm
918956	broken pipe please dig down and repair as necessary (follow on job from job no 189899)	Newpound Lane	WISBOROUGH GREEN	o/s Moonsbrook Cottage E:505602 N:126566

918371	investigate gully, clear and rod outlet to carrier. 1no	Church Road	WORTH	opposite Londis Shop 531608.139366
918479	Free jammed gully grid as per Conway report 098519	Old Hollow	WORTH	J/o Turners Hill Road 530716.136859
918598	Drainage, investigate, locate and repair blockages as per Conway report no 18556.	Snow Hill	WORTH	adjacent to Tytherley 534065.139898
916344	rod gully to find any blockage.	Cross Street To Victoria Road	WORTHING	o/s warehouse building at edge f/1path [approx opposite rear of 74 Teville Road]
916351	rod gully to find block (swan neck)	Hythe Close	WORTHING	On the corner of Hythe Road and Hythe Close and outside the GREY HOUSE.
918624	rod gully to prove blockage in system	Littlehampton Road	WORTHING	North side of road o/s Carnegie House opposite 47.
916350	rod gully to find block (swan neck)	Littlehampton Road Service Road	WORTHING	outside number 25
916345	empty gully &rod to clear	Park Road	WORTHING	On bend by park opposite 125/127.
915677	move gully from crossing point to position marked on site and as attached photo	Sompting Road	WORTHING	Southbound carriageway of Sompting Road just by the roundabout with Sompting Avenue and Dominion Road
916352	rod 2 gullies (swan necks) to find block	Tarring Road	WORTHING	outside off licence
916787	please replace 2 x gullies	Tarring Road	WORTHING	1gully o/s 197 Tarring Road, eastings:513524,northings:103316 and other gully in Harrow Road o/s jewellers, eastings:513558 northings:103310
916998	Please rod gullyC15607 and clear any blockages	Thurlow Road	WORTHING	o/s no 15 eastings515,520.29, northing103.362.33
916343	rod gully to find any blockage	Victoria Road	WORTHING	West side of road o/s Charles Court, opposite York Lodge.
916342	leaves/detroitus filled to top of gully grill (unique gully no.E1215) (Enquiry 9485)	West Avenue	WORTHING	o/s 21 veh acc kerbside
916346	empty and rod gully	Windsor Road	WORTHING	East side of road o/s 26.
916833	please replace gully	Windsor Road	WORTHING	East side of road o/s 26.(see map in sharepoint)

**Drainage Works Currently Outstanding.**

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Job Number	Job Notes	Site Name	Area Name	Job Location
918980	Install new gully and lay 500mm wide strip of 10mm dbm 20mm high.	School Road	AMBERLEY	new gully opposite Mount View & ramp outside Mount View.
917965	carrigeway patch 4m x2mx 20mm, footway patch 2mx1mx20mm & raise 6 kerbs 10mm to stop water ponding	Deil Drive	ANGMERING	Outside property no 33
918689	rod gully to clear blockage	Station Road	ANGMERING	outside property called Prescott
918719	rod 5 gullies to find outlets and remove blockages or find any breaks	Station Road	ANGMERING	station road jct with woodlands ave as plan
918991	lower invert level in to manhole from gully approx 1.5 m of 150mm pipe work (Enquiry 261743)	The Pines	ANGMERING	o/s 1 the pines
824406	Lay 150mm x 66m plastic, edge of c'way, gully to gully, prove connection to ditch, re-profile ditch to act a storing capacity 2 x 1.2 x 45 spread spoil on site. Reinstatate as existing HRA C'way. Replace White Edge c'way where affected.	Staplefield Road	ANSTY AND STAPLEFIELD	From opposite J.W Cuckfield Road to 1 ACORN COTTAGE, see map (Constraints, bend, overhead cables, junctions)
917583	Build new bag headwall as per site specific sheet	Brantridge Lane	ANSTY AND STAPLEFIELD	s/o Heron Cottage 528085,128159
918930	Drainage Excavate in verge onto pipe line and install chamber downstream from pond.	Staplefield Lane	ANSTY AND STAPLEFIELD	At holding pond north of Whitehouse Farm 526894,126290
193574	EXCAVATE IN DITCH TO FIND PIPE. CLEAR DITCH TO ALLOW WATER TO GET AWAY. ROD PIPE FROM GULLY TO PROVE LINE.	Birham Road	APPLEDRAM	50M SOUTH OF NO 75. OPPOSITE POND.
916315	please rebuild low/tilted metal arterial drian cover ( 51cm * 44.5cm outside frame, see photograph attached to defect if required please ask WSCC person to print out)(STATS) which is low on eastern side (approx 35mm) to kerb, also repair section of missi	Surrey Street	ARUNDEL	C117/6 aprox 5m east of give way marking junction with Maltravers St - stats in sharepoint
917131	Reconstruct ditch where necessary / dig grips	Tortington Lane	ARUNDEL	TORTINGTON LANE, ARUNDEL. Near the junction with Chichester Road, for around 200m - leave debris in woodland
917168	Please Rod from manhole and investigate blockage	The Causeway	ARUNDEL	C117/1 southern end of wide entrance to car park & Arundel Lido - opp vehicle crossing to Police Station (see map and conway sheet on sharepoint)
918448	SEE NEW JOB NO 918869see Large worm required to investigate blocked culverts (suggest rod bone if possible)SEE NEW JOB NO 918869	Mill Road	ARUNDEL	stretch between the Childrens playground and the bridge over the mill stream by Swanborne Lake (between eastings:502054, northing:107404 and Eastings:502068 Northings:107185
918869	Large worm required to investigate blocked culverts (suggest rod bone if possible)	Mill Road	ARUNDEL	stretch between the Childrens playground and the bridge over the mill stream by Swanborne Lake (between eastings:502054, northing:107404 and Eastings:502068 Northings:107185
918924	Remove channel across footway and replace with Aco drainage 80mm or 100mm deep at 1.8 m long. Construct a false bottom so water flows onto the c'way	Maltravers Street	ARUNDEL	11 Maltravers St. Arundel, BN18 9AP .
916233	rod gullies to find pipe breakage	Malthouse Lane	ASHINGTON	outside the old malt house to end of road as plan
918696	rod gully to find any blockages see job number 823036 raised by m whitwell	Cricketers Close	ASHINGTON	outside number 3 towards telephone exchange, parked vehicles
824340	Install a total of 5no. Road gullies (double gully on adj to vehicle access) and connect with 150mm plastic pipe, connecting to existing system. As detailed on plan, Plus re-establish grips at approximate locations as marked on plan, 4 in total, Plus remo	Mill Lane	BALCOMBE	O/s property called Balcombe Mill. Constraints, bend, overhead cables, water, narrow lane.
917968	Install new 600x600 gullies and pipework location and levels to be agreed on site.As per site specific sheet	Mill Lane	BALCOMBE	o/s Balcombe Mill 531763,130464
918638	Drainage investigate and clear blockage, possible excavation in unmade drive.Park in driveway.	Handcross Road	BALCOMBE	Nr Redbridge Cottage 530287,130931
918872	Drainage Install tarmac bund across access approx 10mx0.5mx75mm	Mill Lane	BALCOMBE	o/s Balcombe Mill 531779,130450
64537	Walk, Talk and Build Carry out ditching works and improvements to existing drainage system, as detailed.	Bell Lane	BEPTON	Junction of Bell Lane / Church Lane, adjacent to 'The Old Rectory'.
64532	Please rod with worm to clear outlet which is solid with roots (Enquiry 252861)	Central Avenue	BERSTED	o/s No. 10
918654	rebuild existing gully & install 1 new gully .lay 17 m of 150mm pipe to connect to existing manhole	Shirney Lane	BERSTED	Shirney Lane/Rd A29 out side Barnfield House
194026	CLEAR DITCH AND HEADWALLS.APPROX 80M. SMALL BUSHES AND TREES IN AREA.	Bignor Road	BIGNOR	SOUTH OF BIGNOR PARK ROAD,NORTH OF BIGNOR MILL.BETWEEN E498244 N115118 AND E498251 N114925.
917244	rod from manhole to ditch and repair any breaks as nessary and dig and re-grade ditch for approx 3m (Enquiry 248877)	Bell Lane	BIRDHAM	junction with Bell Lane/Pinks Lane (see gdn in sharepoint) eastings:481870 Northings 99345
917355	please investigate and remove manhole and clear blockages as necessary	Crooked Lane	BIRDHAM	Crooked Lane near house called Dingles EASTINGS:481954 NORTHINGS:99558
918247	Clear pit, rod outlet to outfall, Clean out slot drain and replace frame and cover at pit with footway gully frame and cover, all in footway.	Cowfold Road	BOLNEY	o/s 1-4 Chapel Cottages 525817,122417 to 525785,122420
65535	Rod to determine blockage/break in pipe and repair if required	Bosham Lane	BOSHAM	outside of manor lodge as detailed on plan
65536	Rod to investigate possible break in line and repair as required	Main Road	BOSHAM	Outside prospect cottage as detailed on plan
917177	rod and repair as necessary (gully id D9366)	Walton Lane	BOSHAM	o/s 1-2 wayside cottages(see map and conway sheet in sharepoint) EASTINGS:481477 NORTHINGS:104570
918744	dig down in 2 locations find pipe and repair as necessary	Smugglers Lane	BOSHAM	out side house called Water Meadow as marked on map
918806	All work to be done are on SITE INSTRUCTION FORM AND MAP in Links and on SHARE POINT (Enquiry 234013)	Delling Lane	BOSHAM	Delling road E481001 N104594 to E481014 N104432
918741	dig down and repair pipe as necessary and rod (Enquiry 255583)	Corsetts Avenue	BROADBRIDGE HEATH	o/s 54
64883	Rod to investigate roots/ suspected break in pipe	Valebridge Road	BURGESS HILL	Just south of Jesters as detailed on plan /ON BEND EASTINGS:532386 NORTHINGS:121396 (ON SHAREPOINT)
822386	install soakaway	Birchwood Grove Road	BURGESS HILL	o/s Brichcroft
918006	Investigate gullies rod outlets to carrier.	Folders Close	BURGESS HILL	Nr LC2 532684,118120
918098	Investigate gully, chamber and pipe runs/outfalls.	Mill Road	BURGESS HILL	o/s 140 531464,119836
918264	Investigate gullies, rod outlets and locate outfalls	Burgess Hill Road	BURGESS HILL	Oak Tree Farm to West Riddens Farm 529563,122626 to 529419,122789
918506	Investigate footway gully adjacent to tree, may require excavation.As per Conway report 686	London Road	BURGESS HILL	O/s Bueno Appetito, 171, 530798,119275
918808	Drainage Clear gully sump of tarmac and concrete and rod outlet as per Conway report 18714	Greenlands Drive	BURGESS HILL	O/s 14 531665,117849
193488	PLEASE FIND OUTFALL AND LOCATE PIPE ROD BACK TO BREAK AND REPAIR PIPE. BREAK IS APPROX 16M FROM MANHOLE BEHIND POST BOX WHICH IS JUST NEXT TO DRIVE.	Bury Road	BURY	O/S THATCHED COTTAGE IN SOUTHERN END OF LAYBY OPPOSITE B2138. E500962 N115357
918870	PLEASE FIND OUTFALL AND LOCATE PIPE ROD BACK TO BREAK AND REPAIR PIPE. BREAK IS APPROX 16M FROM MANHOLE BEHIND POST BOX WHICH IS JUST NEXT TO DRIVE.	Bury Road	BURY	O/S THATCHED COTTAGE IN SOUTHERN END OF LAYBY OPPOSITE B2138. E500962 N115357
919482	Dig out grip, Dig out ditch to find headwall or pipe to other side of road and rod IF THERE IS A PIPE OR HEADWALL. (Enquiry 265347)	Back Lane	BURY	BACK LANE
189567	Request concrete gully surround removed and suspected void investigated and area reinstated. Area 1.2sqm. Enquiry 409102 refers. Follow up job to job 823002.	Willowbed Drive	CHICHESTER	Directly outside No14.
189940	Access cover rattles when driven over. Request new std heavy duty cover. John Bingham [BB] has knowledge of site. Site constraints = roundabout. Enquiry 409317.	Northgate	CHICHESTER	Approx 5m south of Broyle Road on "Northgate roundabout".
193573	PLEASE PUMP OUT MANHOLE FIND OUTLET. DIG DOWN AND FIND AND REPAIR PIPE.2 LANES APPROACHING JUNCTION & SMALL LANE CLOSURE REQUIRED	Broyle Road	CHICHESTER	SOUTHBOUND 40M BEFORE CHURCHSIDE. MANHOLE IN VERGE , OPPOSITE SPLITTER ISLAND. E486085 N105375
918073	please rod gully (water ponding over gully & along southern channel of West Pallant near corner with South Pallant, see attached photographs (Enquiry 410485)	West Pallant	CHICHESTER	D47/47 o/s eastern end of no 9 & near crossroads of all Pallants, (South, East & North Pallant)
918340	follow on job from job no 190215 please dig down possible broken pipe, repair as necessary and prove outfall	Albert Road	CHICHESTER	2 Albert Road, Chichester. (WORK IS IN CLAY LANE AT SIDE OF NO 2 ALBERT ROAD BETWEEN EASTINGS:484360 NORTHINGS:104848 AND EASTINGS:484264 NORTHINGS:104879
916587	follow on job from initial drainage investigation done by craig steer BB - please install new manhole cover and frame and please install 4m of 150m diameter pipe to side entry gully	Cocking Causeway	COCKING	TM REQUIRED 2 WAY LIGHTS o/s The Cottage between Eastings488312, Northing:119721 and Eastings:488327 and Northings:119737
918584	Clear out approx 10m of ditch and rod pipe from ditch to man hole in Deerswood garden (contactland owner before start Mr F Graham tel 01293 851259. Also repair broken pipe opp Hunters Oak	Faygate Lane	COLGATE	ditch Side of house called deerswood , pipe opp Hunters Oak E521749 N134712 AND E521766 N134584
918705	rod gully run as plan to find cause of flooding in properties	Blackhouse Road	COLGATE	between Heather Cottage and post box outside school.suggest working lime between 9.30am& 15.00pm
917137	Around 3-4 grips needed to solve water sitting on road - See photo link. (Enquiry 409851)	82146 The Green to Hundred Acres	COMPTON	Approx 20m south of road named Hundred Acres.



825686	Carry out verge reduction to the southbound side of c'way, 60m x 2m, plus cut 4x 1m width grips to back edge of reduced verge to water to drain off. Remove spoil from site, plus install a double 600mm x 600mm c'way road gully opposite in access to coombes	Coombes Road	COOMBES	gullies on access to coombes farm and verge reduction opposite, 65m north of field access, s/bound. constraints, access, bens, overhead cables.
915875	carry out drainage survey as directed by Kevin Macknay / Brian Hammersley	Station Road	COWFOLD	as directed
824641	Further to GDN 247, with rods and sonde, track and trace pipe from gully to possible break, approx 35m in. Possibility is that the break is within garden of no. 8. Excavate and repair as necessary, reinstate as existing.	Poplar Close	CRAWLEY	o/s no. 8, NB: Contact property owner with prior notice, (Thursday's would be best works), Amit Parekh 07871 683425. (constraints junctions, overhead cables)
914381	Excavate ditch to expose pipr outlet from gully as per site specific sheet.	Maidenbower Lane	CRAWLEY	By west buttress wall of railway bridge. 528840,135675
917578	Install new f'way gully in edge of f'way and install soakaway in verge, as per site specific sheet.	The Birches	CRAWLEY	o/s 111 528583,137436
917591	Install new footway gully and patch cycleway.	Crawley Avenue	CRAWLEY	The Mardens Subway 525726,137170
919100	investigate surcharging c/w gully (Planned Drainage for WCO)	Church Street	CRAWLEY	opposite 10
917027	please clear ditch to expose outfall pipe and rod to clear	Selsley Road	DONNINGTON	o/s Taylors Cottage Between Eastings: 485474 northings:102102 and eastings:485489 northings:102057
917175	Re dig ditch as plan in sharepoint	Old Church Lane	DUNCTON	Old Church Lane
919729	please cut 2/3. grips with digger to minimize risk of ponding. Just north of northern end of lay-by. (Enquiry 410823)	A285 Thicket Lane To Eartham Lane	EARTHAM	On inside of bend. between eastings:492721 northings:109552 and eastings:492813 and northings: 109633
918418	excavate either side of culvert, on both sides and dig out 5m of ditch and remove detritus	Wick Lane	EASEBOURNE	near Gosdens Farm. Between E:490026 N:123151 and E:490058 N:123137
823753	Side edge of Northbound c'way, cleaning all vegetation, remove spoil from site, approx 235M x 0.5 to allow free flow into gullies. (Enquiry 306969)	Beeching Way	EAST GRINSTEAD	Approx 25m from Lewes road roundabout, northbound. (constraints, overhead cables, busy A road)
823897	From gully at junction with Lyton Road, s'bound, install new 150mm pipe, connect from gully to run along dbm f/w down into Lyton Park Ave and connect across 1m width verge to gully (opp no. 6) Reinstate as existing.	Hoilye Road	EAST GRINSTEAD	J/W hoilye Road and Lyton Road. (constraints, junctions, overhead cables)
916861	Drainage investigate 2no gully outlets and remove blockages or repair as required as per conway report no 192. Marked on c'way.	Charwoods Road	EAST GRINSTEAD	o/s hire centre 539087,139011
918003	Install replacement acco drain in footway, 2.5m o/s 189 and 1m o/s 199.	Garden Wood Road	EAST GRINSTEAD	o/s 189 and 199 538624,137750 to 538586,137760
64476	Walk, Talk and Build Drainage Works. Replace existing 300mm pipe with new 450mm pipe on same line. Reconstruct 'in line' gullies and fit with 600x600 gratings.	Norwood Lane	EAST LAVINGTON	Outside 'Sandrock' - information in sharepoint
828589	1. From ditch outlet, track/trace pipe with rods and sonde to break, approx 19.5m. Excavate onto defective 450mm concrete pipe in c'way and replace in 450mm plastic, to next sound section, approx 10m, reinstate as existing.	Sea Lane	EAST PRESTON	2x locations, JW with Gated Seaview Road, E&N 506918, 101561 and opp 23 E&N 506959, 102058 - Conraints, residential, overhead cables, bens.
918502	dig down and repair broken pipe as necessary	Roundstone Drive	EAST PRESTON	outside 71
65579	Investigate possible breaks in system and repair as required.	Barnham Road	EASTERGATE	os 100 and 94 as detailed on conways report. Paperwork on sharepoint
193517	PLEASE DIG OUT DITCH APPROX 30M, DISPOSE OFF SITE OF SPOIL	Church Lane	EASTERGATE	O/S CLARENDON HOUSE, BETWEEN E494375 N105243 AND E494423 N105215
918828	please use digger to dig out headwall, blocked pipe causing water to go onto carriageway (scoop job)Enquiry 261645)	Isling Bridge To Staples Hill	EBERNOE	approx 180m west of isling bridge
917073	Rod, CAT and GENNY to trace line (see conway defect 468)	Middleton Road	FELPHAM	Outside number 116 eastings:497058 northings:100295
918799	Dig down on 225 mm pipe after rodding to find blockage/ break between manhole and pond.rod from gully towards manhole.	Hoe Lane	FELPHAM	Hoe lane. Manhole is in the garage of house called Dukes Meadow . contact no 01243 587644 (john)
914838	rebuild edge of ditch - 6mL x 2mW of concrete bagwork, regrade ditch if necessary	Vann Road	FERNHURST	o/s Perry Edge / opp no55 just o/s 30mph limit
917154	Re dig grips as marked on plan. Fast road with sharp bends	A286 Sand Hollow Lane To Whites Lane	FERNHURST	o/s Kennels
189307	Construct new gully to intercept water flowing from newly installed footway/bus stop	High Street to Cross Lane	FINDON	O/S No. 2 and No. 78
918699	rod gullies to clear blockage	Steep Close	FINDON	first 2 gullies on leffhand side from high street ( junction nearby)
918728	rod gully to manhole to clear any blockage or any break in pipe run	School Lane	FITTLEWORTH	outside no 21 (entrance to car park near by)
918728	rod gully to manhole to clear any blockage or any break in pipe run	School Lane	FITTLEWORTH	outside no 21 (entrance to car park near by)
918942	Lay concrete bag work to join up to existing head wall (3msq of concrete bags) to protect 150mm out let pipe. Bag work to be finished at ground level. Suppl and fix new concrete post and twin ralin in a squire to protect hole , ( 4 no posts and aprox 6m of t	Edburton Road	FULKING	EDBURTON ROAD
193089	Excavate new ditch to run from Mudberry Lane to just northwest of access track leading to Fortuna / Brooklands length = 250m. Provide new pipe under road to link new ditch with existing + create bagged headwall 2m x 2m. Non prejudice works request. Await	Newells Lane	FUNTINGTON	From Mudberry Lane to 4m north of access track leading to Brooklands / Fortuna.
917041	Please rod 2 x gullies and clear blockages	Newells Lane	FUNTINGTON	D class road, NEAR LEVEL CROSSING(MAP AND PHOTOS IN SHAREPOINT) between eastings:480172 northings:150645 and eastings:480193, northings:105616
64477	Bank stabilisation adajcent to existing water course. Approx 12m of sheet piling required.	Perrott Lane	GRAFFHAM	Between 'Meadow Brook Farm' and 'Quiet Court'.
193487	PLEASE DIG GRIPS INTO STREAM WILL NEED TO GO UNDER WIRE FENCE. MACHINE WORK SOME HAND WORK	Graffham Common Road	GRAFFHAM	JUNCTION WITH PERROTT LANE SEE PLAN, BETWEEN E492783 N118728 AND E492757 N118659.
193470	PLEASE CLEAR DITCHES APROX 230M MOST OF SPOIL CAN STAY ON SITE. RAISED FROM ENQUIRY 260600	Hollist Lane	HARTING	BETWEEN PENNS FARM AND HOLLIST FARM HOUSE E479950 N119852 AND E479799 N119715
916121	please reinstate/cut grips back to french drain and clean off concrete channel blocks thanks	B2146 Elsted Road To Torberry Lane	HARTING	see map in sharepoint eastings:478391 northings:119607 and EASTINGS:478126, NORTHINGS:119672.
918066	Drainage investigation required 3 x gullies, rod, investigate and repair as necessary (see maps in sharepoint)	B2146 Compton Down To Harting Hill	HARTING	2 x gullies by south lodge eastings:477552, northings:116184 and third gully north of bridgers pond, eastings:477432, northings 116743
918939	Please rod/investigate gully (gully id D3948) as there is a suspected blockage back towards entrance of Manor House.	North Lane	HARTING	o/s Manor House Eastings:478849 Northings:120120 see map on sharepoint
190208	rod gully to clear flood	Sergison Road	HAYWARDS HEATH	Outside No. 38
915445	fill potholes & edge erosion & rod gullies	Hurstwood Lane	HAYWARDS HEATH	junction with colwell lane
916743	Drainage works as marked as per site specific sheet.	Nursery Close	HAYWARDS HEATH	Throughout 532543,124158 to 532507,124119
918482	Investigate possible blockages as per Conway report 022858. Excavation may be required in c'way and/or verge.	Lewes Road	HAYWARDS HEATH	o/s and opposite no 72 534951,123270
918501	Investigate outlets from gullies as per Conway report 022947.C'way excavation may be required.	Ashenground Road	HAYWARDS HEATH	j/o Haywards Road 533148,123181 to 533127,123132
918796	Drainage raise setts etc., investigate adjacent chambers and gullies as marked as per site specific sheet.	Lewes Road	HAYWARDS HEATH	o/s 94 535161,123422
917077	ROD/ REPAIR PIPE WHERE BROKEN	Shoreham Road	HENFIELD	Blocked drain outside The Wicketts E521.472.84 N:113.353.19
917680	take out & relay 8m of granite setts to a 50mm upstand, rod culvert under drive of Dears Farm	West End Lane	HENFIELD	drweyway of Dears Farm as marked on site 02/10/2012 (NM)
64509	Added to 2012 Ditch Maintenance Program. Target completion 31/09/12. Dig out ditch to below any piped levels. See spreadsheet for site details. Remove spoil from site.	Hoyle Lane	HEYSHOTT	See attached plan.
189079	Added to 2012 Ditch Maintenance Program. Target completion 31/09/12. Dig out ditch to below any piped levels. See spreadsheet for site details. Remove spoil from site.	Hoyle Lane	HEYSHOTT	See attached plan.
918598	Please dig down (possible pipe break)and rod /investigate cause of leak, and repair/reinstate as necessary(Enquiry 261797)	Hoyle Lane	HEYSHOTT	Opp 1 Bakerfield, os Bus Stop between E490159 N:117804 and E:490195 and N:117824
916788	please dig hole in trench to expose problem and contact client to advise(see notes from gang in sharepoint)	Redford Avenue	HORSHAM	os 117 (see gangs notes in sharepoint dated 21/8/2012)), eastings:516584 northings:131710
918090	CARRY OUT INVESTIGATION INTO SUBSIDENCE IN C'WAY . (Enquiry 256518) (Heave/ Subsidence)	Oakhill Road	HORSHAM	outside property no 45 OPPOSITE CLARENCE RD JUNCTION .
918619	rod gullies & repair any breaks found	Kerves Lane	HORSHAM	worst section Aimes Mill House & Aimesmill Bridge - EN 518205, 129401 to 518080, 129121
918681	rod gullies and report back any breaks in pipeline	Arthur Road	HORSHAM	opposite 10 A & outside number 31 parked cars a possibility
918683	rod gullies to find any breaks	Pondtail Road	HORSHAM	gully 1 junction with Old Millmeads gully 2 opposite Chesnut Gardens
825343	Rod from gully to break in pipe, dig down and repair as necessary, reinstate as existing, verge/dbm c'way. (Enquiry 255887)	Church Lane	HORSTED KEYNES	Out Side Fieldhurst, (constraints - school, junction, overhead cables - no through road, suggest carrying out OOH or non term time, )
919671	Clean out ALL gullies and jet out all pipe lines., sizes of pipe are required	The Street	HOUGHTON	B2139 HOUGHTON FROM Houghton Lane to Stable Antiques BOTH SIDES OF THE ROAD
916708	Drainage as marked as per site specific sheet. Excavate in footway.	College Lane	HURSTPIERPPOINT	J/O Hassocks Road 528979,115921
916742	Excavate in verge to clear blockage as per conway report 314.	Hassocks Road	HURSTPIERPPOINT	J/O Tott Hill 528764,116102

917853	drainage investigation required to repair suspected broken pipe	Trout Lane	ITCHINGFIELD	Immediately opposite & outside property no 9 as conway report form
918005	clear gully aprons & tops & re-dig grips	Plumtree Cross Lane	ITCHINGFIELD	from marlands to ark cottages
918831	please dig grips with digger and clear culvert/headwall as necessary (see map in sharepoint)	Glasshouse Lane	KIRDFORD	from house called wickers going north toward flooded area between E:500316 N:123063 and E:500515 N:123217
916341	rod gully	Blenheim Road	LANCING	vehicle access to Brooklands House
916671	blocked drain causing flooding rod & empty	Ring Road	LANCING	on ring road outside linden house.
916672	standing water in gully please rod	North Road	LANCING	o/s Boots Chemist adjacent to crossing point by tactics
189306	install new 9 inch pipe to connect to existing pipe from The Cottage garden. Construct new catchpit (C1/A FWS3) in verge to connect to new 9inch pipe. From catchpit lay new 6 inch pipe into gully. Park vehicle in driveway	Fordwater Road	LAVENT	O/S The Cottage between Fordwater Road and property garden.
65196	Walk, Talk and Build System Construct 2 No. dropped crossing above existing culvert. At eastern crossing fall footway towards existing brick parapet. Construct 'Letter Box' opening in parapet to allow water from carriageway to run back into stream.	Portsmouth Lane	LINDFIELD URBAN	Above existing culvert in Portsmouth Lane, adjacent to No. 2, By Sunte.
915925	Drainage install new gullies as per site specific sheet.	Eastern Road	LINDFIELD URBAN	o/s 2-2a 534912,125106 to 534934,125120
915926	Drainage install new gully and pipework in c/way	The Wilderness	LINDFIELD URBAN	Oaklea House 534977,125716
916741	Excavate in tarmac c/way onto gully outlet pipe approx 2m out from gully as per conway report no 330.	Portsmouth Wood	LINDFIELD URBAN	S/o 15 By Sunte 533887,125759
918270	Investigate gullies and rod outlets to outfall at pit	Appledore Gardens	LINDFIELD URBAN	29b to Pelham Road 534107,124803 to 534124,124782
918922	Drainage Addition to job no 918270 possible excavation in footway on to blockage see Conway report 023527	Appledore Gardens	LINDFIELD URBAN	o/s 29B 534109,124792
824069	Adjacent to LC11, from cover rod with sonde to locate collapse (approx 25ms west) dig down in f/w replace damaged sections as necessary, (225mm Plastic) Plus install inspection new insecton chamber at point of break to allow future jetting.	Sea Road	LITTLEHAMPTON	From Lamp Column 11, adjacent to golf course see map
918487	Follow on job from job no 917409) Gully id D28436 please dig down and investigate and re-connect gully to pit 1 with invert higher than outlet in pit.(2mtrs 150mm UPVC pipe required)	Toddington Lane	LITTLEHAMPTON	opp (18 Mill lane) in Toddington lane (see map in sharepoint)
918511	Please lay approx 7m concrete edgings across access of Irvine House and neighbours house at the back edge of the footway, reprofile accesses approx 10msq so that water runs away from houses (PLEASE CONTACT DAVE BILLINGHURST TEL_07771961249 BEFORE START OF W	Fitzalan Road	LITTLEHAMPTON	Outside of Irvine House and next door neighbour
918653	lay 32m of 150mm pipe across road in 2 locations, connect to manholes	Sea Road	LITTLEHAMPTON	see map on sharepoint by miniature golf course
193671	EXCAVATE 20M OF DITCH DISPOSE ON SITE. DIG GRIPS EITHER SIDE OF BRIDGE.	Fitzlea Wood Road	LODSWORTH	WEST OF BRIDGE, O/S BARNETT'S COTTAGES. BETWEEN 494102 119205 AND 494106 119178.
916136	New Cover required 900x900x100 opening (BC66/1) (Enquiry 406424)	Surrey Road	LODSWORTH	Approx 40m north of junction with School Lane.
916908	New Cover required 900x900x100 opening (BC66/1) (Enquiry 406424), NO STATS REQUIRED	Surrey Road	LODSWORTH	Approx 40m north of junction with School Lane.EASTINGS: 492738, NORTHINGS:123729
193485	PLEASE CLEAR BOTH SIDES OF ROAD WHERE 400MM CULVERT GOES ACROSS.	Patworth Road	LURGASHALL	35 yr north of Herne House. E493687 N131815
193693	CLEAR 3 HEADWALLS AND APPROX 60M OF DITCH , SPOIL TO STAY ON SITE	Jobsons Lane	LURGASHALL	SOUTH OF LITTLE BROCKHURST, BEARDS COTTAGE AND SOUTH OF JAYS LANE BETWEEN E493973 N130597 AND E492699 127587
916630	adjust concrete bags to help capture water and dig ditch	Dial Green Lane	LURGASHALL	west of house called Greenfields map and drawings on sharepoint BETWEEN EASTINGS:493468 NORTHINGS:127166 AND EASTINGS:493586 NORTHINGS:127165
916942	Gully id D29047 requires rodding/further investigation, conways jetted but could not clear with jetter (see conway sheet in sharepoint)	Church Lane	LYMINSTER	opposite tremeadow cottage, see map in sharepoint EASTINGS:502350 NORTHINGS:104790
915920	please install 1 new gully with slab behind (marked on site with X) and connect up to ditch with 6m 150mm pipe, also please cut 2 grips into ditch same side as new gully and 3 more grips on the other side of the road opposite ancton barn (all grips marked)	Ancton Lane	MIDDLETON-ON-SEA	o/s Ancton Barn between EASTINGS:497997, NORTHINGS: 100683 AND EASTINGS:498118 NORTHINGS:100642
918085	please investigate/rod and repair as necessary blocked gully	Elmer Road	MIDDLETON-ON-SEA	o/s 72
191419	Raise 2m x 2m of cobbles to height of surrounding cobbles [ around 40-50mm ]. Also relay 2m x 2m of footpath [dbm] also by around 40-50mm. Raise 5m of existing dropped granite sets by 15-20mm to prevent water running from c/w into footpath. This job is	North Street	MIDHURST	Access to Angel hotel. - Job to be done in January 2013
916991	Please rod gullyC26459 and clear any blockages	Rumbolds Hill	MIDHURST	o/s 7 eastings:488547 northings:121444
918797	sweep road as necessary	North Street	MIDHURST	as directed by John Bingham
917646	please dig/clear ditch by headwall	Milland Road	MILLAND	between eastings:484582 northings: 125657 and eastings484576 northings:125691 (Junction of Titty Hill Road and Milland Road just down from Iping churchyard
917049	(Enquiry 10731) refer to conway report 113, 2 x blocked gullies please investigate/rod clear blockages and repair as necessary	Langhurst Wood Road	NORTH HORSHAM	by entrance to broadlands business campus between eastings:517511 northings:135433 and eastings:517603 northings:135505
917855	rod and repair suspect broken pipes as conway job sheet	Leith View Road	NORTH HORSHAM	crawley road junction with leith view road as conway repair sheet
193315	EXCAVATE AND REPAIR 300MM PIPE. INVERT 800MM. 6M FROM MANHOLE EASTBOUND. ALSO CLEAR HEADWALL AND 40M OF DITCH EAST OF APPLELEA.	Honer Lane	NORTH MUNDHAM	PIPE REPAIR CORNER OF CORNWOOD AND APPLELEA. DITCHING WORKS EAST OF APPLELEA , BETWEEN E487823 N100276 AND E487917 N1002389
65103	Construct concrete apron around existing gully(id E44087)	Pipers Lane	NORTHCHAPEL	Adjacent Hortons Farm as detailed on plan
191135	Rod and trace to break in pipe. Dig down and repair/replace as required.	Nuthurst Road	NUTHURST	Outside of Forge Cottage see plan
825352	Further to GDN 39, SEE Atched, rod from pit to break/obstruction and dig down and repair as necessary, reinstate as existing, (verge/DBM f/w)	Church Road	NUTHURST	passed the Church Road entrance into Mannings Heath, SEE Plan
916959	please rod to outfall and clear any blockages thanks (gully id A10252)	Nuthurst Street	NUTHURST	opposite Ferncroft.(map in sharepoint)
917400	first two of the three drains are blocked, one is full of water, please rod to clear	Brighton Road	NUTHURST	Just after Coolthurs Grange, after the doomsday crossroads.
190464	Gully appears cracked and knocked off access pit [ area previously made safe under job 819633 ]. Request new heavy duty gully frame and cover installed in verge. Gully dimensions = 48" x 34". Site constraint = junction.	Woodhorn Lane	OVING	Approx 35m north of crossroads.
191037	Dig down and investigate potential chamber within footway. Track and trace with sonde and rods to location of chamber/direction of pipework.	Hook Lane	PAGHAM	Between No's. 5 and 4
193336	EXCAVATE IN DRIVEWAY FIND AND REPAIR 100MM PIPE	Springfield	PAGHAM	9 Springfield, APPROX 9.5M FROM BACK OF FOOTWAY. E489322 N96658
917019	Rod outlet to find blockage/break, dig down and fix as necessary	The Nyetimbers	PAGHAM	o/s no 7 and 5 between eastings:489508 northings:98629 and eastings:489499 northings:98614
917237	Please rod/repair as necessary (possible break in pipe approx 4m across road)	Lower Bognor Road	PAGHAM	TM WILL BE REQUIRED could be done under two way lights or possible lane closure? on bend by morells farm eastings490697, northing:100371
917238	Please rod and repair as necessary (possible broken pipe)	The Glade	PAGHAM	o/s no 8 eastings:489150 northings:97716
917241	Dig down and investigate potential chamber within footway. Track and trace with sonde and rods to location of chamber/direction of pipework.	Hook Lane	PAGHAM	Between No's. 5 and 4 stas in sharepoint under job no 191037
918886	please rod/investigate where two gullies connect up to/outfall to	The Glade	PAGHAM	by no 1 see map in sharpoint
918378	excavate pond down to chalk level and dispose of detritus off site	Long Furlong	PATCHING	opp Seth Evans workshops, behind layby E:509213 N:106103 (contractors can work in layby)
65534	Rod gully outlet to clear localised flooding	Station Road	PETWORTH	outside fire station as detailed on plan
918601	please install 1 x new gully and connect up to existing gully ( approx 21m of 150mm pipe) please shape existing carriageway to channel water into gullys existing and new(see map in sharepoint)	Balls Cross Road	PETWORTH	site is marked with a white stick (photo in sharepoint) between eastings497626 northings:123389 and eastings:497615 N:123358 (see map in sharepoint near Gunters Bridge
918827	gully requires moving back to edge of carriageway and reprofile carriageway so that the water runs into the gully(Gully dimensions @ 560mm x 410mm.)(new gully grate required as old one is cracked) (Enquiry 410846)	Horsham Road	PETWORTH	Approx 80m west of lorry route. Eastings:499945 northings:122665
826434	1. From junction with Holmbush Lane to o/s Rosewood house, carry out 0.5m x 315m verge reduction on both n/bound and s/bound, Plus 60m x 0.5m o/s Little Holmbush, Holmbush Lane, remove spoil from site, See Map for locations. 2. Dig out 1m3 sumps at inlet	Clappers Lane	POYNINGS	Three locations, o/s Little Holmbush, Holmbush Lane. O/s Rosewood Hse to J.W Little Holmbush Lane. (constraints, narrow lane, bends, Overhead cables) (STATS E&N 525070, 112640 to 525070, 112705 & 524859, 113614 to 524863, 113954)
918413	raise 1 gully install 1 new pit install 2 doll posts and un cover buried gullies follow on from job number 916788 as discussed with Rod Bone	Clappers Lane	POYNINGS	near kennels and throughout road
916667	rod gully to find block	Rectory Close	PULBOROUGH	Outside number 29 for approx 50 yards
917356	raise 4 gullies by approx 30mm & patch carriageway approx 10m2 as marked on site	Stane Street	PULBOROUGH	as marked on site and attached plan
191342	Rod and trace to suspected break in pipe. Repair or replaces as required.	Nyewood Road	ROGATE	Between Sandhill Pond House and Owls Corner.
916126	Please build concrete bag headwall in durlieghmarsh	Durlieghmarsh	ROGATE	eastings:478477 northings: 123519 (currently barriered off)

916128	please cut grips	A272 Durlieghmarsh Lane To Slade Lane	ROGATE	between eastings:477306, northings:124026 and eastings: 479410, northings:123628
916825	Please investigate cause of water coming up through carriageway, and report findings back to client. Thank you	North Street	ROGATE	In the middle of North Street by the Whitehouse
918647	Drainage Ditch clearing approx 450m with JCB.	Bonnetts Lane	RUSPER	Charlwood Road To Olde Cottages 525401,139671 to 525323,139378
193576	CLEAR VEGETATION. EXCAVATE APPROX 4M OF DITCH TO GULLY TO DRAIN AWAY. ON BEND	Selsey Road	SELSEY	SOUTH CORNER OF NORTON CORNER COTTAGES E486117 N94845
824584	Further to GDN 332, dig down on broken pipe in f/w and replace as necessary, reported to be 0.5m in from gully (modular paved f/w).	High Street	SELSEY	B2145/3 o/s Selsey Press Ltd & just south of Fire Station car park - opp Lloyds Pharmacy (on southern corner of Malthouse Rd) (constraints, high street, ped lights, fire station, junctions)
916062	Renew 38m of 225mm pipe construct 2/3 new manholes, clear various ditches /headwalls to remove any constrictions. New pipework to be laid in footway. (Enquiry 253219)	Chichester Road	SELSEY	opp Comptons Farm Shop and o/s Comptons . Stats already in sharepoint in same folder as plan
917151	Please rod gully to prove outlet (GULLY ID C11948)	New Road	SHOREHAM-BY-SEA	gully in front of frosts car park
193311	DIG APPROX 40M OF DITCH AND DISPOSE FROM SITE.	Highleigh Road	SIDLESHAM	OPPOSITE PROPERTY LONGACRE E484544 N98021 AND E484549 N97970
193672	EXCAVATE DITCH APPROX 40M AND FIND HEADWALL. DISPOSE OF SPOIL OFF SITE.	Street End Road	SIDLESHAM	APPROX 50M SOUTH OF STREET END LANE. BETWEEN E485287 99205 AND 485342 99182. SOUTH OF ANCHOR PUB.
189211	Empty Soakaway and jet lines connecting to soakaway.	Horsham Road	SLAUGHAM	On island at J/w Old Bright Road South. See plan for details.
193462	Dig down and replace broken/disjointed section of pipe.	Slaugham Lane	SLAUGHAM	O/s entrance to Highlands and Highbanks
917180	Please Rod and Repair as necessary	Cuckfield Lane	SLAUGHAM	entrance to Hollingbury Lodge Between EASTINGS: 525425 NORTHINGS:126126 AND EASTINGS:525436 AND NORTHINGS:126125
917986	Investigate gullies rod outlets to main and check outfall	Warninglid Lane	SLAUGHAM	Slatehouse Farm to Firtree Cottage 524271,126519
918589	Drainage investigate, locate and repair blockages as per Conway Report 022932	High Street	SLAUGHAM	j/o London Road and High Beeches Road 526373,130209
64838	Clear trash screen and ditch at trash screen with JCB/ON BEND	Lyons Road	SLINFOLD	Opp Limes house Adj Two Oaks Additional Operative required to assist with manual clearance!
918097	Trash Screen to culvert blocked (see map & Photo)	Lyons Road	SLINFOLD	as marked on plan
825889	From chamber, replace 6.5m x 150mm pipe in plastic, 0.75m to invert, within hra f/w, reinstate as existing, n/bound (Enquiry 249502)	Stein Road	SOUTHBOURNE	Outside No 71 in f/w (constraints, level crossing, school)
825895	From road gully, excavate and lay 3m x 150mm pipe in plastic to connect from gully to 225mm clay carrier in verge. 0.75m to invert. across verge/x-over to avoid tree, see plan. (hra x-over), reinstate as existing, s/bound (Enquiry 249502)	Stein Road	SOUTHBOURNE	o/s and between 76 & 78 (constraints, level crossing, school)
65569	please rod to find blockages and dig to repair as required.	Station Road	SOUTHWATER	outside 5 as detailed on jetting plan.
917176	Please ditch out ditch to expose outfall pipe (Enquiry 258037)	Two Mile Ash	SOUTHWATER	adjacent to Christs Hospital School main gates on 2 Mile Ash Road heading south (see map in sharepoint) Between EASTINGS: 515549 NORTHINGS:128650 AND EASTINGS:515556 AND NORTHINGS 128662
189222	Added to 2012 Ditch maintenance program. Target completion 30/09/2012. Dig out ditch to below any piped levels. Remove spoil from site. See spreadsheet for site details.	School Lane	STEDHAM-WITH-IPING	Ditch down school lane
194076	FILL VOID WITH LEAN MIX CONCRETE 18MX400MMX400MM ( WIDEST ). CLEAN DITCH AND DIG GRIPS.	Iping Lane	STEDHAM-WITH-IPING	Next to the old cemetery EITHER SIDE OF LAYBY.SEE PLAN
917189	clear ditch, dig grips and rod pipes as plans	Fitzhall Road	STEDHAM-WITH-IPING	o/s Bridgelands Farm plans in sharepoint
917647	please dig/clear ditch by headwall	Iping Lane	STEDHAM-WITH-IPING	Between eastings:484582 northings: 125657 and eastings:484576 northings:125691 (junction of Tity Hill Road and Milland Road just down from Iping churchyard
918915	repair pipe and investigate void in centre of road	Monastery Lane	STORRINGTON	opposite number 1 spring cottages(this will need a road closure)
189076	Added to 2012 Ditch Maintenance Program. Target completion 31/09/12. Dig out ditch to below any piped levels. See spreadsheet for site details. Remove spoil from site.	Glatting Lane	SUTTON	See attached plan.
189221	Added to 2012 Ditch maintenance program. Target completion 30/09/2012. Dig out ditch to below any piped levels. Remove spoil from site. See spreadsheet for site details.	Bignor Road	SUTTON	Stretch of Bignor Road, heading south from Sutton to Bignor
190975	Added to 2012 Ditch maintenance program. Target completion 30/09/2012. Dig out ditch to below any piped levels. Remove spoil from site. See spreadsheet for site details.	Bignor Road	SUTTON	Stretch of Bignor Road, heading south from Sutton to Bignor
193312	APPROX 35M OF DITCHING. PLEASE DISPOSE OF SPOIL OFF SITE.	Barlavington Lane	SUTTON	OPPOSITE SUTTON COURT BARN N497713 E115022 AND N497756 E115050
917055	please investigate/rod and repair gully id1236(Enquiry 10732)	Goose Green Lane	THAKEHAM	TM REQUIRED o/s works near to junction peacocks lane (see map on sharepoint) eastings:511374 northings:118807
918404	1 linear metre of new 300mm pipe, concrete surround and reinstate verge	Willetts Lane	TILLINGTON	Outside drive of Timbers.
918884	Clear ditch as necessary and jet system as necessary(jetting completed 07/11/2012,see conways sheet in links (day crew digging out ditch to expose culvert)	A272 Brookfield Lane To Grittenham	TILLINGTON	junction of River Lane
918587	Please rod 2 x gullies Gully id D6529 and Gully id D6531 to clear blockages	Chithurst Lane	TROTTON-WITH-CHITHURST	north of Lassington and on the A272 from Corner cottage down to Trotton Bridge Between E:484260 N:122911 and E:484179 N:122837
918981	Drainage as per site specific sheet	Selsfield Road	TURNERS HILL	Roundabout to opposite Kingfisher Cottage 534134,135365 to 534114,135192
825413	rod from gully no. 3 as marked on the return, attempt to clear, dig down on break/block as found and repair and reinstate as existing and clear /regrade ditch as required (verge works) (Enquiry 243049)	Henfield Road	UPPER BEEDING	Approx 175mtrs north East of Roxwell, N/bound, See Map
193673	DIG DOWN AND REPAIR 150MM PIPE IN FOUR LOCATIONS 450MM TO INVERT. MARKED ON SITE. ( NEAR TO SCHOOL )(this is a follow on job for job no 193452)	The Street	WALBERTON	2 SITES O/S BOOKERS YARD AND 2 SITES O/S AND OPPOSITE 1 PARK VIEW . BETWEEN 497097 106066 AND 497150 106051
915252	Hand dig and rod clear, (x2) gullies and gully chutes blocked by silt back to adjacent manholes. NOTE. site constrainr, work zone near to junction. (WS Obst flood,spill,tree,hedge)	Barnham Lane	WALBERTON	Outside and opposite, No 1 Oaktree Cottages.
918323	DITCHING REQUIRED - the path that runs between Bell Road and the A24 clear ditch 32m long	Bell Road	WARNHAM	bell road between back of police house and bell road
64937	Rod and investigate possible broken pipe	East Street	WEST CHILTINGTON	outside hatches house as detailed on plan
917683	raise kerbs to 50mm upstand 8 number site has been visited before but not enough upstand	Roundabout Lane	WEST CHILTINGTON	outside property called Dalesbrook
916962	(Enquiry 10708) please rod 2 x gullies to outfall gully id D3792 and D3791	B2141 High St To East Marden Hill	WEST DEAN	east of Fish Restaurant between eastings:482635 northings:114493 and eastings:482692 northings:114469
916863	Drainage Investigate gullies as per site specific sheet as per conway report no 186	Horsted Lane	WEST HOATHLY	Between top road and clova 537634,132320 to 537752,131973
917018	remove jammed lid and hand empty gully	The Hollow	WEST HOATHLY	25m east glen rose cottage, eastings:536614 northings:132750
917976	Excavate in c/way onto broken pipe and repair as required Marked on c/way and f/way	Top Road	WEST HOATHLY	o/s The Lydd 537122,132463
918590	Drainage investigate,locate and clear blockages as per conway report 16642	Selsfield Road	WEST HOATHLY	Old selsfield to 56 534745,134328 to 534577,134582
918591	Drainage investigate, locate and clear blockage as per conway report 16640	Ardingly Road	WEST HOATHLY	Rock Cottage 534523,132441
63989	pump floodwater from eastern side of road to western outfall	Itchenor Road	WEST ITCHENOR	from outside Little court to outfall ditch adjacent to Gulworthy
917140	please cut vegetation/hedgerow to gain access and rod between catchpit and gully (Enquiry 249723)	North Street	WESTBOURNE	opp Elm cottage (see conway sheet in sharepoint) EASTINGS:475642 NORTHINGS:107979
193788	TAKE OUT 4 SETTS AND CREATE AN 1MX1M APRON AND EXCAVATE A DITCH DOWN THE BACK OF THE BRIDGE SO WATER GOES INTO STREAM	Newpound Lane	WISBOROUGH GREEN	AT THE DRIVEWAY TO MOONSBROOK COTTAGE. BETWEEN E505623 N126599 AND E505629 N126613
917136	Please Rod and repair as necessary	Water Lane	WISTON	Water Lane, Wiston and chanctonbury ring road between eastings:514391 northings:113522 and northings:113483
917117	Rod and if necessary replace pipe from verge to ditch Enquiry 409313)	A272 Severals Road To Woolbeding Lane	WOOLBEDING	" the A272 path between the cottage east of The Gallery and the Woolbeding turning EASTINGS:487257 NORTHINGS 121774: "
917589	scrape off mud/silt from carriageway(Call Back Requested) (Enquiry 260435)	Woolbeding Lane	WOOLBEDING	TM REQUIRED PRIORITY SIGNAGE PAI at the junction of Woolbeding lane, Hollist Lane & Bramblings Lane in Woolbeding.
918075	Suspected broken pipe, please investigate and repair as necessary	Linch Road	WOOLBEDING	Approx 250m south of old Post Office. See map links. between eastings:486249 northings:126035 and 486454 northings:125672
918415	excavate ditch (follow on job from job no 823113)	A272 Severals Road To Woolbeding Lane	WOOLBEDING	opposite Heathbarn Farm on Northern side of A272.between E:487382 N:121799 and E487101 N:121806
824394	Install new road gully, adjacent to B.T cover, lay 150mm x 8m to c'way inspection chamber. reinstate as existing, (dbm road surface)	Akehurst Close	WORTH	out 23, in c'way, adjacent to B.T cover in flw, (constraints junctions, overhead cables)
915582	investigate void and fix as necessary - no need for stats as void just under block paving	Montague Street	WORTHING	O/s Home Express opposite Waterstones, 10m west of Bath Place.
916577	rod gully to clear flood	Hythe Road	WORTHING	outside number 8
916662	Blocked drain outside cissbury court, rod gully to find block	Findon Road 120 To 124	WORTHING	Outside Cissbury court flats.
916834	PLEASE REPLACE GULLY	West Avenue	WORTHING	o/s 21 veh acc kerbside EASTINGS:513031 NORTHINGS:102932 (GULLY ID E1215)

916840	new gully required	Littlehampton Road Service Road	WORTHING	outside no 25
917264	key cut approx 100mm in front of side entry gullies (6 in total) to assist surface water to flow	Littlehampton Road Eastbound	WORTHING	Eastbound carriageway lane 2, approx 150m east of Yeoman Road Roundabout
917568	Flooding in George V Avenue. An officer has inspected one of the drains and told a resident that the drain had collapsed, however this drain has not been repaired as yet. Could somebody please inspect the drains to see if they need attention. (Enquiry 2	George V Avenue	WORTHING	Outside Burlington Court
917941	repair broken pipe under wall.site has been rodded and break is under wall	Wordsworth Road	WORTHING	on marine parade on junction with heene terrace by bus stop
917944	repair broken pipe	Salvington Hill	WORTHING	junction with Broadview Gardens
918634	rod gully to find any break in pipe	Littlehampton Road	WORTHING	North side of road o/s Carnegie House opposite 47. parked cars
918692	uncover buried gully & empty	Church Road to South Street	WORTHING	outside number 89 marked on site. be aware of parked vehicles

**Jetting Works Complete Since June 2012.**

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Job Number	Job Notes	Site Name	Area Name	Job Location
824338	Clean 2no. gullies, assoc. catch pits and jet carrier through to prove system	Herfield Road	ALBOURNE	Outside Inholmes.
826579	With supercombo and warthog, clean, gullies, two catchpits and Jet/clear system in all directions as marked on plan.	Arundel Road	ANGMERING	o/s 96
190595	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Staplefield Lane	ANSTY AND STAPLEFIELD	O/S Little Domick to Whitehouse Farm
193349	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall. WARTHOG REQUIRED.	Staplefield Lane	ANSTY AND STAPLEFIELD	Opposite Whitehouse Farm to stream north of Whitehouse Cottage.
190808	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.(see convey sheet in links)	Warningld Road	ANSTY AND STAPLEFIELD	)/o Slaugham Road,Staplefield Common to Cuckfield Road .
189906	AD HOC CCTV - Clean and jet system to include pipework, gullies and associated catchpits.	Hammingden Lane	ARDINGLY	drains and gullies near to Upper Sheriff Farmhouse
189907	AD HOC CCTV - Clean and jet system to include pipework, gullies and associated catchpits.	High Street	ARDINGLY	No. 74 High Street
189971	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Street Lane	ARDINGLY	Street Lane, O/s No's. 1 and 2 Brickyard Cottages
824660	Clean 15no. gullies, jet through to out fall to prove.	West Hill	ARDINGLY	from the cottage opposite Rowetts Wood, 533059,129954 to the East side of the causeway, 533362,129778, Ardingly Reservoir causeway
917865	provide 3 in1 / gully emptier to clear blocked gullies (see convey sheet in links follow on job raised see job no 917939)	Ford Road	ARUNDEL	Between Maxwell road and Priory Road
919204	attend to problems with flap valves if need be - Chris Spencer smith dealing	Queen Street	ARUNDEL	o/s No1 and the Causeway
825924	to jet from newly installed chamber on driveway to quaker cottage outfall, see plan.	Cricketers Close	ASHINGTON	o/s no. 3
824227	Clean jet approx 8no. gullies, thier assoc. catch pits and jet carrier to prove system (Enquiry 307067)(see convey reports in links)	Handcross Road	BALCOMBE	Great Coopers Corner Farm to Railway Bridge 529772,131105 to 530315,130945, See Map
188625	(Added to June 2012 Jetting) Jet 8 No. gullies and associated pipework and carrier drain. - see follow up job no 191231	Lake Lane	BARNHAM	Adjacent to 'Tyche'
822867	(Added to July 2012 jetting batch) Clean/jet 4 no. gullies and assoc. catch pits, jet carrier to outfall to prove. (Enquiry 243345)	The Hollies	BERSTED	outside the house called the hof, see plan
824646	Clean approx 3no. gullies and thier assoc. catch pits, jet carrier to prove system	Carpenters	BILLINGSHURST	from 18 - 28
193969	Jetting required in Main Line. Clear pipework and ensure running.	Marringdean Road	BILLINGSHURST	O/side Beke Hill
193960	Jet and cleanse system to include gullies, pits and connections to outfall if possible.	Newbridge Road West	BILLINGSHURST	From J/w Newbridge Road to end
193068	Locate and Jet existing culverts as per plan. Report findings and clear if possible.	Church Lane	BIRDHAM	At J/w Springfield and adj. to Morello
193974	Jet and clean culverts in highlighted area to outlet if possible.	Westlands Lane	BIRDHAM	The main culvert that runs under the eastern entrance to Greenacres.
193971	Jet and clear gullies in highlighted area, to include pits and pipework.	Cowfold Road	BOLNEY	Murco Garage to 1&2 Chapel Cottages
192969	Conways to clean and jet system in highlighted area to include all gullies and associated catchpits	London Road	BOLNEY	outside of Wellmead East
826687	Clean/jet culvert, from heads walls at three points on junction.	Smugglers Lane	BOSHAM	o/s watermeadow, Junction with Lower Horn Lane
822857	(Added to July 2012 Batch) Clean approx 3no. gullies and assoc catch pits and culvert, plus any other within the area highlighted on map, jet carrier through to outfall to prove. (Enquiry 249868)	Taylors Lane	BOSHAM	Throughout road section
192088	Clean and jet system in highlighted area to include all gullies and associated catchpits	Corsletts Avenue	BROADBRIDGE HEATH	o/s 52 and 56
190214	Jetting - Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.NO FURTHER WORK REQUIRED SAYS JULLMER	Albert Drive	BURGESS HILL	Albert Drive near footpath (Albert Drive to Payton Drive)
192523	Jet and clear gullies and associated pipes, chambers and connections.	Leylands Road	BURGESS HILL	Between Post Office and Railway bridge
918128	Jetting and investigation of system previously repaired, surface water remains on c/way.	Leylands Road	BURGESS HILL	o/s and opposite shops 532112,120056
824225	Clean jet 4no. gullies and assoc. catch pits, jet carrier to prove system	Rolle Drive	BURGESS HILL	O/S 16-18 ROLFE DRIVE
191875	Conways to jet with WARTHOG to remove root mass.	Bury Road	BURY	Outside Thatched Cottage opposite B2138
823285	(Added to July 2012 Jetting) Clean approx 3no. gullies clean assoc. catch pits and jet pipes to out outfall.(see convey sheet in links) NO FURTHER WORK REQUIRED J ULLMER	Houghton Lane	BURY	outside of meadowside
190215	SEE NEW JOB 918340 Follow on job after jetting job 190215) please dig down/investigate and repair as necessary possible break in pipe and prove outfall	Albert Road	CHICHESTER	2 Albert Road, Chichester.
193975	Jet and clear lines of root infestation. WARTHOG REQUIRED	Cedar Drive	CHICHESTER	by the Cedar trees opposite number 50 Cedar Drive
190556	(CCTV REPORT RECEIVED IN DSTO OFFICE) Conways to CCTV culverted watercourse.	Fishbourne Road East	CHICHESTER	As shown on plan. Access at point 1 will be via an existing manhole adjacent to the footway. Culvert turns under road outside No. 20, Fishbourne Road East.
918703	Jet pipe line to find out let.Other jetting will be needed when main jet is done. As on map (follow on job raised no 919036 in Appledram lane north)	Fishbourne Road East	CHICHESTER	jet from 33 to 30 Fishbourne rd east
193162	Clean and jet soakaways in highlighted area .	Sherborne Road	CHICHESTER	outside of number 44
193161	Clean and jet soakaway in highlighted area.	Sherlock Avenue	CHICHESTER	O/s 17
190591	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.NO FURTHER WORK REQUIRED J ULLMER	St Martins Square	CHICHESTER	As on plan, throughout street section.
193958	Jet and cleanse system as directed onsite by D.Billinghurst	Long Furlong	CLAPHAM	As directed onsite
823599	Clean approx 2no. gullies and 5no. catch pits including all carriers to outfall see plan (Enquiry 9670)	Long Furlong	CLAPHAM	Opp Seth Evens work shop
193454	Clean and jet system in highlighted area to clear culvert to outfall.	Brook Lane	COLDWALTHAM	bend shown on map as the old disused Coldwaltham Lock
193314	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	London Road	COLDWALTHAM	immediately north of the south junction of London Road/A29.
822504	(Added to June 2012 CCTV Batch) Investigate cause of slow flow and reported sinking driveway to Heather Cottage, (4 gullies and assoc. Catch pit)	Blackhouse Road	COLGATE	OUTSIDE SCHOOL DOWN HILL TO GARDEN CORNER, inc. Heather Cottage
193307	Clean and jet system in highlighted area to include all gullies, pipework, catchpits, SOAKAWAY and outfall.	B2146 West Marden Hill To Compton Square	COMPTON	Opp the slow sign at South end of compton near The Old Post Office property
823094	(Added to July 2012 Jetting Batch) Clean 2no. gullies and assoc. catch pits, jet carrier to prove system	Almond Close	CRAWLEY	os 5 and 8, end of close, see map
190604	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Balcombe Road	CRAWLEY	From Pond and O/s Hillside Inn to Balcombe Court
826185	further to jetting job 190604, (system left running) further investigation required as car park to pub is still flooding that connects to highway system. Track and trace system, jet and prove carrier and connections to car park, ensure there is freeflow	Balcombe Road	CRAWLEY	From Pond and O/s Hillside Inn to Balcombe Court
190609	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Brighton Road	CRAWLEY	Outside number 22
825350	clean, gullies and assoc catch pit, jet carrier to prove, Killer Whale and WARTHOG required to clear blockage.	Tilgate Place	CRAWLEY	Rear of shops, Indian take away/Pet shop, SEE Conroy GDN return
824269	Clean gullies, assoc. catchpits and jet through carrier. mark on site breaks in pipe. Remove CONTAMINATED WASTE from system, thought to be oil and dispose as necessary (see convey sheet in links)	Tushmore Lane	CRAWLEY	From car wash to 21
189908	AD HOC CCTV - Clean and jet system to include pipework, gullies and associated catchpits.	Broad Street	CUCKFIELD	Bedlam Cottage.
823118	(Added to July 2012 Jetting Batch) Clean 1no. gully and assoc catch pit, jet line in both direction of gully to prove.	London Road	CUCKFIELD	outside of the entrance to rose and crown
823088	(Added to July 2012 Jetting Batch) Clean 1no gully and assoc. catch pit, jet carrier to prove, located in grass verge 2 water company have been out said is ours	The Highlands	CUCKFIELD	in verge at side of number 1 hanlye lane
189962	Jet system including all gullies, pipework and catchpits.	Fairlawn Drive	EAST GRINSTEAD	Road length between junctions with Fairlawn Crescent.
824638	Clean approx 2no. gullies and thier assoc catch pits, jet carrier to prove system (Enquiry 307172) NO FURTHER WORK REQUIRED SAYS J ULLMER	Frith Park	EAST GRINSTEAD	outside no 14 & 15
823794	Clean 4no. gullies and assoc. catch pits, jet carrier to prove.	Imberhorne Lane	EAST GRINSTEAD	From junction with Hills Road to Black gate of Peter Jones Engineering Ltd. see map
190267	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	King Street	EAST GRINSTEAD	Junction Little King Street
193136	JETTING/WARTHOG.Storm drains blocked on windmill lane, lowdells onto lingfield.	Lingfield Road To Windmill Lane	EAST GRINSTEAD	O/s and opposite Amberdene

823119	(Added to July 2012 Jetting Batch) Clean gully system (approx 5), jetting pipe run and assoc. catch pits, please map system fully to outfall.	Queens Road	EAST GRINSTEAD	o/s CEMETERY LODGE, and surrounding gullies
190811	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Roundstone Drive	EAST PRESTON	between 69 and 73 and 66 and 70
824224	From Junction with The Street to outfall jet Carrier and clear gullies connections. Conways to provide CCTV for area adjacent to 27 to check for possible connections to ditch adjacent to 27, plus CCTV from junction with Seaview road going south to outfall	Sea Lane	EAST PRESTON	From the junction with The Street to outfall furthest southern point in road.
192213	Conways to clean and jet system in highlighted area to include all gullies and associated catchpits(see conway report in links)	Bracklesham Lane	EAST WITTERING	O/s Cliffords Cottage Restaurant
190217	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Barnham Road	EASTERGATE	os 100 and 94
193698	Jet and cleanse gullies and pipework to outlets. Confirm gullies outfall to Southern Water Surface System	Ashmere Lane	FELPHAM	From J/w Middleton Rd to J/w Ashmere Gardens
192211	Conways to provide CCTV Report of area(CCTV REPORT RECEIVED) further work job no 918799 raised by D Billingham	Hoe Lane	FELPHAM	O/s Dukes Meadow
822648	(Added to July 2012 Jetting Batch) Clean approx 8no. gullies and assoc. catch pits jet carrier and any any connections across c'way to prove. see plan and notes on works request form(Enquiry 244382)	Haslemere Road	FERNHURST	o/s Leigh House
193305	Conways to CCTV with jetter onsite to clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Barker Close	FISHBOURNE	O/s No.34
190218	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Blackboy Lane	FISHBOURNE	Outside Property 62
824643	Further to GDN 188, As per report suggestions, Empty soakaway and rejet gully D9842 into woodland, establish an outfall if possible (see conway sheet in links)	Stoke Road	FUNTINGTON	approx 100m south of copse cottages
190256	( 2 X CCTV REPORT RECEIVED IN DSTO OFFICE) Conways CCTV to determine cause of water expeling onto highway in highlighted location. Possible stats going through existing highway pipework.(see conway report in links)	Graffham Street	GRAFFHAM	o/s Boswell Cottage
193346	Clean and jet system in highlighted area to include all gullies, pipework, catchpits, SOAKAWAY and outfall.	Guilods Cottages	GRAFFHAM	O/s number 13
823092	(Added to July 2012 jetting Batch) Reports of blocked pipes and gully connections, clean jet system, approx 4 gullies and thier assoc. catch pits, include jetting of carrier to outfall to prove(Enquiry 243965)	Eisted Road	HARTING	Between J.W Mill Lane and J.W CULVERS see plan
190227	Clean and jet culvert in highlighted area.	Mackie Avenue	HASSOCKS	o/s 2A and no 5
190216	CCTV Investigation - Determine current system and possibility of adding new gullies to take excess surface water away from properties.	Ashenground Road	HAYWARDS HEATH	o/s No. 43
192526	Callback requested for Case No 891508. ID No 253083 Site has been inspected. Please advise caller of further works to be carried out to ensure Gully is clear. □ Callback requested. fj/cc (Call Back Requested) - Frankie, see my email re. discussion with	Ashenground Road	HAYWARDS HEATH	Ashenground Road
823090	(Added to July 2012 Jetting Batch) Clean 1no. gully, assoc. catch pit, jet carrier in both directions to prove.	Boltro Road	HAYWARDS HEATH	Outside entrance to Heath Square car park and Winkfield Court
822679	(Added to July 2012 Jetting Batch) Clean gully and assoc. catch pit, and with Wart Hog, remove root from carrier, jet through carrier to outfall to prove (Enquiry 8580)	Borde Hill Lane	HAYWARDS HEATH	Danesbury, Borde Hill Lane
190616	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall. (see conway sheet in links)	Cedar Way	HAYWARDS HEATH	Outside no.34.
190861	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Edward Road	HAYWARDS HEATH	O/S NO 74
192258	CARRIER REQUIRES JETTING. Clean and jet system in highlighted area to include all gullies and associated catchpits (see conway sheet in links)	Lewes Road	HAYWARDS HEATH	O/s No's. 35 & 37
916730	Carry out jetting and investigation works as directed on site.	Nursery Close	HAYWARDS HEATH	o/s 6 532566,124166
192212	Conways to clean and jet system in highlighted area to include all gullies and associated catchpits (see conway reports in links)	Sydney Road	HAYWARDS HEATH	Main Issue outside Property 61, but check gullies from roundabout to J/w Church Lane for surface chippings.
189894	AD HOC Jetting - Clean and Jet system to include pipework and associated catchpits and gullies.	Comptons Lane	HORSHAM	o/s number 38
193138	JETTING / WARTHOG REQUIRED Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Forestfield	HORSHAM	On bend outside 1 Forestfield
825219	clean all gullies, assoc. catch pis and jet carrier to prove with highlighted section on map (Enquiry 602902)	Kerves Lane	HORSHAM	worst section Aimes Mill House & Aimesmill Bridge - EN 518205, 129401 to 518080, 129121
918679	jet system in subway	New Street	HORSHAM	subway between North St & New St car park in Winton Court, Pedestrians
65255	Please jet all gullies and catchpits between Ashleigh road and Warnham road and include carrier.Flooding to junction of warnham road Fibrous roots may be a problem. WARTHOG REQUIRED.	Pondtail Road	HORSHAM	Warnham rd to Ashleigh road
823093	(Added to July 2012 Jetting Batch ) Clean approx 3no. gullies and assoc. catch pits, jet carrier to prove - see follow on job no 191247	Station Road	HORSHAM	FROM O/S BEDFORD PUB TO O/S NO 9 STATION ROAD REAR OF STATION.
193166	Clean and jet MAIN LINE in highlighted area.	Selsey Road	HUNSTON	From Post Office to Flagstones
193964	Clean out Acco drainage at back of footway, ensure connections into main/gullies are clear and flowing.	Grinstead Lane	LANCING	o/s 1 garage at j/w grinstead r/bout to o/s No.5
190209	CCTV Investigation to determine cause of large road surface depression on highway.	Lancing Park	LANCING	outside 19 + 21
193484	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Fordwater Road	LAVANT	O/s The Cottage
191791	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Appledore Gardens	LINDFIELD URBAN	O/s Entrance to 29b
823089	(Added to July 2012 Jetting Batch) Clean jet 1no. gully,plus assoc. catch pit and jet carrier in both directions to prove	High Beech Lane	LINDFIELD URBAN	Just past junction with Roundwood Lane
193164	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall. Jet from top of run to outlet in stream and ensure clear.	Lewes Road	LINDFIELD URBAN	From Opposite Whitesands to outlet in stream.
190979	Follow on from job no 819083.(CCTV REPORT RECEIVED IN DSTO OFFICE) Conways to assist with WSCC led CCTV investigation - surcharging gully - recent repair. Kerb was raised (2011) along most of this section to prevent house flooding but this is low point. J	Luxford Road	LINDFIELD URBAN	o/s. 41. and directly opposite
189905	AD HOC CCTV - Clean and jet system to include pipework, gullies and associated catchpits.	Fitzalan Road	LITTLEHAMPTON	Outside of Irvine House
918486	provide letter as directed	Sea Road	LITTLEHAMPTON	nr bowling green where road flooded
824226	To to water surcharging through road surface, clean, jet gullies and assoc. catch pits, jet carriers throughout section, recording direction of flow and inlet to insecton chambers. (Please report finding to Mike Dare, WSCC)	High Street	LOXWOOD	Outside Forget me not flowers. Approx 250m north of canal. See Map
194077	Conways to jet and clease system to include all pipework, pits, gullies and chambers	Mill Lane	LURGASHALL	From junction with Greengate heading South
193972	Jet and clean gullies in highlighted area, to include pits and pipework, to outlet if possible.	Carron Lane	MIDHURST	From O/s Quantock to O/s Corners
824271	With Conways CCTV, provide information on direction of flow and map surface water system in area highlighted on map	West Street	MIDHURST	From Duck Lane to Church Hill
823298	(Added to July 2012 Jetting Batch) from issue reported opposite no. 11 , jet system approx 4 gullies, 1 manhole and jet carrier in both directions to prove system.	West Meade	MILLAND	opposite number 11
823299	July 2012 Jetting Batch	West Sussex County Council	NO CODE ALLOCATED	Various as directed by spreadsheet
823293	(Added to July 12 Jetting Batch) Clean 6 no. gullies and associated catch pits and jet through to carrier to prove.	Forest Road	NORTH HORSHAM	Forest Road slip road to Harwood Rd, see Plan
193284	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Godwin Way	NORTH HORSHAM	corner of Crawley Road
192524	Jet existing 600 diameter highway system from Pondtail Cottage to outfall.	Langhurst Wood Road	NORTH HORSHAM	Between Pondtail Cottage and Pondtail Farm
823193	(Added to July 2012 Jetting Batch) Clean approx 5no. gullies (record missing gullies marked with a star on the plan for inclusion on the WSCC inventory) clean assoc. catch pits and jet pipes to outfall. (Enquiry 408837)	Honer Lane	NORTH MUNDHAM	from Little Acre to junction with puches lane, please refer to map
825297	Jetting REQUIRED FOLLOWING REPAIR to pipe (Enquiry 221224) NO FURTHER ACTION REQUIRED SAYS J ULLMER	Copsale Road	NUTHURST	os drive of Copsale Road, out let from gully A49106
823600	Clean approx 4no. gullies and assoc. catch pits, jet carrier to outfall to prove. (Enquiry 245310)	Nuthurst Road	NUTHURST	Outside of Forge Cottage see plan
825302	further to GDN 44, re-jet gully and carrier with killer whale to establish outlet, see notes	Nuthurst Street	NUTHURST	opposite Farmcroft.
191094	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Calworth Lane	OVING	O/s Glencroft
193790	Locate, jet and prove existing highway drainage system. Trace to outfall is possible.	Shopwhyke Road	OVING	O/s No. 6b
189896	AD HOC Jetting - Clean and jet system to include pipework, gullies and associated catchpits.NO FURTHER ACTION SAYS J ULLMER	Hook Lane	PAGHAM	Whole Close. Trace system to outfall believed to be in ditch as on plan.

193539	Conways to jet in highlighted area to include all gullies, pipes, pits and outlets	Hook Lane	PAGHAM	o/s 56
193165	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Springfield	PAGHAM	At end of Springfield No's 6 to 11
824599	Clean approx 6no. gullies, assoc. catch pits, jet line to outfall to prove.(see convey sheet in links)	Balls Cross Road	PETWORTH	On incline of hill. Approx 200m south of Frosty Lane, see map
822611	(added to July 2012 Jetting Batch) clean 4no. gullies as marked on plan , clean out assoc. catch pits and jet carrier to outfall to prove. (Enquiry 246140)	Station Road	PETWORTH	Back of Polaris Garage, see plan
822627	(Added to July 2012 Jetting Batch) from gully adj to access to clean jet 150mm dia pipe, suitable root cutter required. jet through to outfall to prove.(see convey report in links)	Dunsfold Road	PLAISTOW	os Foxhurst
64422	Carry out jetting and CONWAY CCTV survey of existing highway drainage system.	Loxwood Road	PLAISTOW	Loxwood Road / Plaistow Road outside 'Kings Copse'.
190249	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Plaistow Road	PLAISTOW	o/s The Laurels house (junc Foxbridge Lane)
190658	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall. NO FURTHER WORK REQUIRED JULLMER	Crossbush Lane	POLING	Along Crossbush Lane esp between Calcetto Cottage and Clay Lane
193026	Conways to clean and jet system in highlighted area to include all gullies and associated catchpits	London Road	PYECOMBE	Last Gullies on service road to BP station see map
823192	(Added to July 2012 Jetting Batch) Jet clean 1no. gully and assoc. catch pit, jet line in both directions to prove.(see convey sheet in links)	Church Street	RUDGWICK	OUTSIDE GASKYNS ( SEE ATTACHED MAP )
190816	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Naldretts Lane	RUDGWICK	outside of number 2 mill cottages
190814	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Tismans Common	RUDGWICK	On the crossroad near to Crossways Cottages.
192525	Jet and clean gullies and associated pipework and chambers in highlighted area	The Mount	RUSPER	between Northgate and Hilltop Cottages
823196	(Added to July 2012 Jetting Batch) Cleanse all gullies (approx) 35) and catch pits, jetting carrier pipes to prove (extent as marked on plan (Enquiry 249662)	Sea Road	RUSTINGTON	South side of sea road, between Rustington Convalescent home and sea lane, see plan
825033	Clean and jet system in highlighted area to include all gullies, pipework, including carrier pipe, catchpits to highway extent, including area within FROBISHER WAY, approx total no. gullies 17. Please ensure pipe size and direction of flow etc is mapped.(	Tasman Close	RUSTINGTON	Through out Tasman Close and half of FROBISHER WAY, see plan
189897	AD HOC CCTV - Clean and jet system to include pipework, gullies and associated catchpits.(see report in links)	Chichester Road	SELSEY	Blocked Culvert outside the proerty called Dibidi next to Norton Lea.
191876	Clean and jet system in highlighted area to include all gullies and associated catchpits	Chichester Road	SELSEY	In vicinity of Norton Corner Cottages
824623	Further to GDN 395, Jet main line and clean assoc. catch pits to prove system	Elm Tree Close	SELSEY	o/s 5 & 7
193157	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Kingsway	SELSEY	Between No's. 46 and 60 Kingsway
190807	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall. (Warthog Required)	Sincox Lane	SHIPLEY	outside barnfield house Sincox Lane
193457	Jet and clear culvert under road. Use lance to clear and expose outlet. WSCC TO BE ONSITE.(also see job no 191001 and 185606)	Chichester Road	SIDLESHAM	O/s and opposite Chichester Canvas
189902	AD HOC Jetting - Clean and jet system to include pipework, gullies and associated catchpits.	Higleigh Road	SIDLESHAM	O/s Willowmead, Higleigh road
823806	Clean approx 7no. gullies, assoc. catch pits and jet carrier to prove system.	Slaugham Lane	SLAUGHAM	From junction with B2115/352 cuckfield lane To the right of High Banks coming out of it
190890	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	The Squires	SLAUGHAM	between 17 and 18
193150	JETTING REQ. With WARTHOG - Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Hayes Lane	SLINFOLD	O/s Ramblers
193137	JETTING REQUIRED SOAKAWAY.	Peveit Close	SOMPTING	O/s No.19
825449	further to GDN 230, Jet main line, and assoc. catch pits to prove (Enquiry 249502)	Stein Road	SOUTHBOURNE	Outside No 76, see Conway return
190855	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Cripplegate Lane	SOUTHWATER	From O/s Park View to O/s Lawnswood
825186	Clean, jet 1no. gully, assoc. catch pit and jet carrier to prove	Worthing Road	SOUTHWATER	in old layby between new road & hen & chick
192214	clean and jet system in highlighted area to include all gullies and associated catchpits	Iping Lane	STEDHAM-WITH-IPING	O/s The Cottage
823811	From gully o/s property, clean each catch pit as marked on plan, jet system, please attend with root cutter, due to culvert being on private land, additional suction pipes maybe required to reach rear. Due to width of road, suggest 3m1 unit.	Iping Lane	STEDHAM-WITH-IPING	From o/s Stub hill Paddock see plan, Contact Mr Pool 07795 397613 for access.
822620	(Added to July 2012 Jetting Batch) Jet piped culvert which runs along the north side of Dog Lane from the end of the open channel up to the High Street. Also jet associated pipes at the High Street end of Dog Lane including the one leading to the south si	Dog Lane	STEYNING	Adj Bay Cottage to High Street
193694	Conways to re-jet culvert with WARTHOG to clear blocked section.	A283 Hurston Lane To Greatham Brook	STORRINGTON	A283, just south of Junction with Greatham Lane
191158	Rod and trace to suspected break in pipe. Dig down and repair/replace as required.(follow on job for job no 821388 see links)	Amberley Road	STORRINGTON	at property Bluestones nr junc Kithurst Park
824645	Further to GDN 181, as per report, With Warthog, rejet 2 no. gullies highlighted, using the Warthog to remove roots, jet to a running carrier or outfall to prove.	Monastery Lane	STORRINGTON	O/s spring cottages, See Plan
189903	AD HOC Jetting - Clean and jet system to include pipework, gullies and associated catchpits.	Northlands Lane	SULLINGTON	East Wantley Cottage
824585	Further to gully defect notice 346, With Warthog, remove roots from two sections of pipe and prove, see notice.	Barlavington Lane	SUTTON	o/s Sutton Farm House see GDN 346
823086	(Added to July 2012 Jetting Batch) With super combo and warthog, jet culvert under road.	The Street	SUTTON	approx 650mtrs south of junction wuth Crouch Lane, 63 mtrs north of sutton end bungalow, see map
193791	Jet system to include uncovered chamber and related pipework. Ensure flow established through pipework. SUPER COMBO/BOMB REQ.	Arundel Road	WALBERTON	O/s Glenroy to No.1 Hunters Mews
826364	Clean approx 10no. gullies and and assoc. catch pits, jet carrier through to culvert, report on condition of culvert (Enquiry 255265)	Eastergate Lane	WALBERTON	From outside brookview nursery to Stoney Brook Farm, pls see map
190809	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Hunters Mews	WALBERTON	J/w Hunters Mews/Arundel Road
189901	AD HOC Jetting - Clean and jet system to include pipework, gullies and associated catchpits.	The Street	WALBERTON	Near 20 Barrack Close
193452	Clean and jet system in highlighted area to include all gullies, pipework, (atchpits and outfall. JETTING TO INCLUDE CARRIER/MAIN (see follow on job no 193673)	The Street	WALBERTON	Outside number 3 School Terrace
191834	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Bognor Road	WARNHAM	O/s Northlands Lodge, Bognor Road
826677	From the chamber highlighted on the plan with The Holt, clean the connecting carrier to the main carrier in School lane, clean gullies as indicated on the plan, cleaning carrier to outfall or prove.	The Holt	WASHINGTON	junction with the Holt into school lane.
826863	clean 2x gullies and assoc. catch pits and jet/clean blocked carrier, pls see plan	Steyning Road	WEST GRINSTEAD	approx 150mtrs east of 127, e/bound. (S&G required) 517014, 121160
826862	clean approx 9x gullies, catch pits and jet carrier to prove to outfall, see plan.	Selsfield Road	WEST HOATHLY	O/s Forge Cott, selsfield Road, into ardingly Road, (3 way TM required at junction).
823616	Due to repeated flooding reported to 47 Maripit Road (rear Garden) with Conways CCTV, cleanse system, including gullies, catch pits and carrier pipe to out fall, see plan for extent (Enquiry 252687)	Top Road	WEST HOATHLY	From o/s 6 Image Cross, Top Road See Plan for extent. (Contact at 47 Maripit Road, for access Mr Morgan 01342 810728
193973	Jet culvert in highlighted area	Sheepwash Lane	WEST WITTERING	Via sheepwash House.
189899	AD HOC Jetting - Clean and jet system to include pipework, gullies and associated catchpits.	Newpound Lane	WISBOROUGH GREEN	O/S Moonbrook Cottage
823113	(Added to July 2012 Jetting Batch) Clean 6no. gullies and assoc. catch pits, jet carrier in through section to prove.	A272 Severals Road To Woolbeding Lane	WOOLBEDING	Outside Heathbarn Farm on southern side of A272.
824393	clean 3no gullies, assoc. catch pit, jet carrier to outfall, see plan for possible location for outfall	Akehurst Close	WORTH	from 34 to 22
822597	(Added to July 2012 Jetting Batch) With Warthog and super combo, remove roots from pipe run as marked on plan, approx 3 gullies and assoc catch pits.	Beech Holme	WORTH	Opposite number 12 see plan
824397	Clean approx 5no. gullies, assoc. catch pits, jet carrier to outfall to prove system, please mark up any broken pipe sections on site.	Snow Hill	WORTH	From Junction with Doomwood to county boarder
190495	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Becket Road	WORTHING	At the junction with Lanfranc Road
190619	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Clifton Road	WORTHING	O/s No.137
189904	AD HOC CCTV - Clean and jet system to include pipework, gullies and associated catchpits.	Ladydell Road	WORTHING	Not clear but Davison School mentioned at J/w Selborne Rd.
193308	CCTV required to check gully connections. Jetter required onsite.	Newland Road	WORTHING	os 125
822609	(Added to July 2012 jetting batch) clean/jet gullies and assoc. catch pipes and carrier to prove, ensure carrier is running at full capacity, history of flooding area. (Enquiry 9015)	Oakleigh Road	WORTHING	Whole of road drainage system, SEE PLAN
190810	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Stoke Abbott Road	WORTHING	Apprx 15m west of Town Hall car park opposite property Newland.



**Jetting Works Currently Outstanding.**

**Jetting Jobs Currently Outstanding.**

Job Number	Job Notes	Site Name	Area Name	Job Location
189900	AD HOC Jetting - Clean and jet system to include pipework, gullies and associated catchpits.	Sack Lane	ALDINGBOURNE	2 areas of flooding along the lane. See Plan
826587	Clean and jet system in highlighted area to include all gullies, pipework, catchpits and outfall.	Staplefield Lane	ANSTY AND STAPLEFIELD	O/S Little Domick to Junction with A23 Slip
919306	Jetting from bolt hole pit no C12391 back to pond. Note under water pit at edge of pond. Warthog may be required.	Staplefield Lane	ANSTY AND STAPLEFIELD	North of Whitehouse Farm 526900,126288
188977	(Added to June CCTV) Follow up from Job No.819521 Investigate possible break in pipe.	Haywards Heath Road	BALCOMBE	Between Stone Hill Farm and Wharf Cottages (see Map)
191231	Gullies full of surfacing material. Dig out and clear.	Lake Lane	BARNHAM	Opp. No.1 Old Bakery
65256	Jet all gullies and catchpits between industrial estate and Shripney lane	Shripney Road Northbound	BERSTED	between industrial estate and Shripney lane outside lane Northbound BLOCKERS REQUIRED!!!!
189016	(Added to June CCTV) Follow up from Job No.819620 Investigate possible break in pipe.	Shripney Lane	BERSTED	Under the road between Parkside Farm and Shripney Manor
919129	Jet and clear system to outfall in ditch. To include all gullies, pits and connections.	Newbridge Road West	BILLINGSBURST	O/S Holkham House, Brendon, Hinton, Willersey, Broadmead, Holmleigh and Fairfields
64423	Carry out jetting and CONWAY CCTV survey of existing highway drainage system.	Chidham Lane	CHIDHAM	Chidham Lane adjacent to Chidham pond
65728	Jet system on church road side to clear flowing water from carriageway	London Road	COLDWALTHAM	Between junctions of the old A29 as detailed on plan(ON BEND )
189159	(Added to June 2012 CCTV) Investigate possible root infestation	Ridgeside	CRAWLEY	in front of properties 7 - 9 Ridgeside,
919273	Jetting required, empty gullies and pits in area on map.	Maidenbower Drive	CRAWLEY	J/o Harvest Road 529509,135762
919140	Jetting required after investigation and rodding works completed on job no 918802	Hanlye Lane	CUCKFIELD	j/o Bords Hill Lane/Balcombe Road 532472,125745
919667	Jetting. Please clean gullies and jet system as per attached plan.	High Street	CUCKFIELD	j/o London Lane to j/o Ledgers Meadow 530533,124998 to 530490,124882
188978	(Added to June CCTV) Follow up from Jetting Job No.820448. Investigate Pit and associated pipework	Stockbridge Road	DONNINGTON	O/S No.115
918644	Drainage clear pits and carrier with Warthog.	West Hoathly Road	EAST GRINSTEAD	Admirals Bridge Road to County Boundary
825725	With jetting unit and conways CCTV, clean and survey pipe system from MHC 1 as marked on plan o/s 31 towards MHC 2 to rear of 31. see attached document.	Vann Road	FERNHURST	o/s 31
193345	Conways to provide CCTV and Jetter to investigate blocked culvert and surrounding gullies as highlighted on plan.	Main Road	FISHBOURNE	O/s Globe House
194053	Jet culvert under road. Job No. 919485 MUST be completed FIRST to clear vegetation.	Mackie Avenue	HASSOCKS	o/s 2a MACKIE AVENUE
191109	Track and trace with rods to location of break in pipe. Dig down and repair/replace as required.	Quarry Hill	HAYWARDS HEATH	Between No.6 and No.17
191249	Suspected heavy root infestation. Rod and trace to problem and dig down. Remove roots if possible, if not relay section of pipe effected and use concrete bed and surround to prevent further problems.	Quarry Hill	HAYWARDS HEATH	Outside no 6
191326	JOB ON HOLD AT PRESENT JULLMER Rod and trace from gully to suspected break in pipe (approx 1.5m). Dig down and repair/replace section as required.(follow on job for job no 821628 see job links)	Church Road	HAYWARDS HEATH	Next to Zizzi's by traffic lights see plan
191247	Rod and trace to possible breaks in pipework. Dig down and repair or replace as required.	Station Road	HORSHAM	O/s Beford PH and at rear of Train Station just past J/w Station Close
189010	(Added to June CCTV) Follow up from CCTV Job No.185610. Investigate culvert under road into opposite field. SUPER COMBO REQ.	Hunston Road	HUNSTON	From small car park approx 100m from roundabout on B2145.
191341	JOB ON HOLD AT PRESENT JULLMER Rod and trace to suspected break in pipe. Dig down and repair or replace as required.(follow on job from job no 821364 see links)	London Road	HURSTPIERPOINT	Pit near J/w track to Oaklands
919672	Ditching JCB to clear highway ditches on South side of road approx 800m plus channel under fenceline to holding pond.	Jobs Lane	HURSTPIERPOINT	Hammins to Jobs Cottages 527475,120372 to 528273,120596
191343	Rod and trace to suspected break in pipe. Dig down and repair or replace as required.	Park Lane	LINDFIELD RURAL	Opposite Park House and J/w Ardingly Road and High Street.
825349	Further to GDN 23, With Killer Whale, clean gully, clear catch pit and jet carrier to prove.	Lyminster Road	LITTLEHAMPTON	o/s 46, see conway notice
919668	clear flood off road as requested	Sea Road	LITTLEHAMPTON	adjacent to crazy golf
825299	Further to GDN 18, re-jet defective gully, assoc. catch pit and carrier, record details and mark on site to enable further works if required.	Church Lane	LYMINSTER	opposite tremeadow cottage, see map
189948	AD HOC CCTV - Clean and jet system to include pipework, gullies and catchpits.	Elmer Road	MIDDLETON-ON-SEA	From J/w Land End Road to end of Elmer Rd.
194083	Conways to jet and cleanse system to include all pipework, pits, gullies and chambers	Elmer Road	MIDDLETON-ON-SEA	Outside Number 2 West Drive on Elmer Road
194084	Conways to jet and cleanse system to include all pipework, pits, gullies and chambers	Sea Lane	MIDDLETON-ON-SEA	O/s Sports Club
188626	June 2012 Jetting Batch	West Sussex County Council	NO CODE ALLOCATED	Various as Directed by Spreadsheet
189018	June 2012 CCTV Batch	West Sussex County Council	NO CODE ALLOCATED	Various as Directed by Spreadsheet
190424	Provide Jetter when necessary until 31/03/2013	West Sussex County Council	NO CODE ALLOCATED	Various as in spreadsheet
919134	jet system after rodding	Godwin Way	NORTH HORSHAM	junction with crawley road
826492	Install road new road gully in front of existing road gully within C'way, raise existing road gully and kerb surround, with a concrete apron to prevent water tracking back into garage. Install 9 metres of dropped kerb with a 25mm upstand (DBM to rear) to c	Station Road	PETWORTH	Back of Polaris Garage, side of West Sussex Car Specialist, see plan
193961	Jet and cleanse system to include gullies, pits and connections. To outfall if possible.	Mare Hill Road	PULBOROUGH	From Maregate Farm entrance to J/w Batts Lane
194014	CLEAR MUD THROUGHOUT LANE (3 IN 1 BUCKET) . ALSO CLEAR APPROX 10M OF DITCH AND GRIPS.PIPE ACROSS ROAD.PIT NORTH SIDE	Missards Lane	ROGATE	MUD, THROUGHOUT. DITCH AND GRIPS APPROX 100M FROM MAIN ROAD
194203	Conways to clean and jet gullies to include connections and catchpits to outfall if possible.	Church Street	RUDGWICK	From Orchard Hill to J/w Guildford Road
918880	Drainage Suck out chamber.NO BOOM ACCESS. jet line to outfall	Brighton Road Access Northbound	SLAUGHAM	Opposite Slaugham Park Road, North Lodge 526076,129516
824021	Conways to carry out CCTV survey on main carrier, approx 140m total length	Upper Boundstone Lane	SOMPTING	from opp 10 to junction with crabtree lane.
191196	Clear ditch to below outlet level	Main Road	SOUTHBOURNE	A259 southbourne Roundabout at junction with Stein Road see attached plan
194181	Jet and clear gullies, connections and pits in area. Ensure main line cleared. NOTE - Pits at rear of gullies may be some distance from the gullies themselves.	A272 Chithurst Lane To Fitzhall Road	STEDHAM-WITH-IPING	From junction with Elsted/Fitzhall Road heading West. Approx 10 gullies.
825346	Further to GDN 21 Re-Jet gully with killer whale, attempt to prove system.	Meadowside	STORRINGTON	just before the bridge opposite number 15
189898	AD HOC Jetting - Clean and jet system to include pipework, gullies and associated catchpits.	Littleworth Lane	WEST GRINSTEAD	In an email dated 07.05.09 from Matthew Evans of the Chanctonbury CLC Flooding Working group, he says that several actions were going to take place to improve the problem in Mill Lane /Littleworth Lane, and I,m aware that WSSC undertook extra drainage wor
193677	Conways to Jet and CCTV entire drainage system to outfall.	Littleworth Lane	WEST GRINSTEAD	From Junction with Mill Lane to outfall.
919419	please empty 2 x gullies and prove pipework	Selsfield Road	WEST HOATHLY	1 Ducklys Cottage Eastings: 535450 Northings:133341
64424	Carry out jetting and CONWAY CCTV survey of existing highway drainage in area of Butts Meadow	Kirdford Road	WISBOROUGH GREEN	Adjacent to 'Springfield' and 'The Pavillion'.
188980	(Added to June CCTV) Follow up from Jetting job No.820163. Investigate possible break in pipe	Newpound Lane	WISBOROUGH GREEN	O/S Moons Cottage
191227	HOLD JOB AT PRESENT JULLMER Rod and trace to blocked pipe, dig down and replace blocked section as Jetting equipment unable to clear.(follow on job from job no 64424 See links)	Kirdford Road	WISBOROUGH GREEN	At J/w Butts Meadow
193691	Conways to CCTV culvert that runs under road. Recently jetted so should be clear.	Steyning Road	WISTON	From south of No.1 Polecats, then south under road to joining watercourse.
189012	(Added to June CCTV) Follow up from Jetting Job No.902787. Investigate and establish main line.	Turners Hill Road	WORTH	j/o wallage lane to sleepy hollow
189011	(Added to June CCTV) Follow up from Jetting Job No.819575. Investigate possible break in pipe. NOTE 9FT HEIGHT RESTRICTION.	The Pines	YAPTON	O/S no.45