



LEAD MEMBER FOR TRANSPORT AND ENVIRONMENT

DECISIONS to be made by the Lead Cabinet Member for Transport and Environment, Councillor Carl Maynard

MONDAY, 22 FEBRUARY 2016 AT 10.00 AM

COMMITTEE ROOM, COUNTY HALL, LEWES

AGENDA

- 1 Decisions made by the Lead Cabinet Member on 25 January 2016 (*Pages 3 - 4*)
- 2 Disclosure of Interests
Disclosure by all Members present of personal interests in matters on the agenda, the nature of any interest and whether the Members regard the interest as prejudicial under the terms of the Code of Conduct.
- 3 Urgent items
Notification of any items which the Lead Member considers urgent and proposes to take at the appropriate part of the agenda.
- 4 Petition calling on the County Council to implement parking regulations in the form of a parking permit zone in Bedford Grove, Eastbourne (*Pages 5 - 8*)
Report by the Director of Communities, Economy and Transport
- 5 Revised East Sussex Local Flood Risk Management Strategy - draft for Public Consultation (*Pages 9 - 44*)
Report by the Director of Communities, Economy and Transport
- 6 Results of a public consultation on the principle of introducing a 20mph scheme in Old Malling, Lewes (*Pages 45 - 52*)
Report by the Director of Communities, Economy and Transport
- 7 Any urgent items previously notified under agenda item 3

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12 February 2016

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LEAD MEMBER FOR TRANSPORT AND ENVIRONMENT

DECISIONS made by the Lead Member for Resources, Councillor David Elkin, on 25 January 2016 at County Hall, Lewes

Councillor Webb spoke on item 4 (see minute 47)

44 APOLOGIES

44.1 It was noted that Councillor Elkin was taking the decisions on behalf of Councillor Maynard, who was busy on council business.

45 DECISIONS MADE BY THE LEAD CABINET MEMBER ON 21 DECEMBER 2015

45.1 Councillor Elkin approved as a correct record the minutes of the meeting held on 21 December 2015.

46 REPORTS

46.1 Reports referred to in the minutes below are contained in the minute book.

47 PETITION CALLING ON THE COUNTY COUNCIL TO IMPLEMENT PARKING REGULATIONS IN THE FORM OF A PARKING PERMIT ZONE IN SILCHESTER ROAD, ST LEONARDS ON SEA

47.1 The Lead Member considered a report by the Director of Communities, Economy and Transport.

47.2 Mr Danny Ellis, the Lead Petitioner, attended the meeting and spoke to clarify the petitioners' request for a residents only zone, and not an extension to the controlled parking arrangements in Zone K (Zone K permit holders or 2 hours free parking for anyone else).

DECISION

47.3 RESOLVED to advise the petitioners that the request will be considered as part of the next review of parking in Hastings. A consultation will need to take place to see if there is a desire from the wider community for the parking controls to be introduced in this section of Silchester Road, St Leonards-on-Sea.

Reasons

47.4 Controlled parking must have the support of local residents and businesses. Any new parking scheme or extension to an existing scheme also needs to strike a balance for the needs of all users and requires extensive consultation.

47.5 If the initial consultation demonstrates a high level of support from local residents and businesses then it is recommended that the scheme is progressed to formal advertising. This will be open to further public consultation and objection, will need to follow the legal procedure, and could take around fourteen months to complete.

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Committee:	Lead Cabinet Member for Transport and Environment
Date:	22 February 2016
Report By:	Director of Communities, Economy and Transport
Title of Report:	Petition calling on the County Council to implement parking regulations in the form of a parking permit zone in Bedford Grove, Eastbourne
Purpose of Report:	To consider whether to consult on introducing permit holder parking in Bedford Grove

RECOMMENDATION: The Lead Member is recommended to advise the petitioners that the request will be progressed to see if permit holder parking should be introduced in Bedford Grove, Eastbourne.

1. Background Information

1.1 At the County Council meeting in December 2015, Councillor Rodohan presented a petition to the Chairman. The petition asks East Sussex County Council to implement residents' parking bays in Bedford Grove, Eastbourne. The petitioners ask for the scheme to be operational Monday to Friday from 9am to 5pm, for permit holders to be able to park without time limit and for anyone else to be able to park for up to two hours free of charge. The full text of the petition can be found in Appendix 1.

1.2 A copy of the petition is available in the Members Room. Standing Orders provide that where the Chairman considers it appropriate, petitions are considered by the relevant Committee or Lead Member. A spokesperson for the petitioners is invited to address the Committee or Lead Member. The Chairman has referred this petition to the Lead Member for Transport and Environment.

2. Supporting Information

2.1 The cost of introducing new parking restrictions in this area is estimated to be around £2,000. This will be met from the relevant Parking Account if a scheme is installed. New controls in this area could mean the issue of around 198 permits generating a potential annual revenue of approximately £4,950. This revenue figure is based on two permits being issued to each of the 99 properties in this road.

2.2 The figure must be balanced against the restricted space available in this road. There would be approximately 46 parking spaces if a formal scheme is installed in this road. If two permits were made available to each property then it is clear the number of permits issued would heavily outweigh the amount of available parking. The County Council's usual practice is to limit the number of permits issued to 1.5 permits per parking space. This would mean a maximum of 69 permits issued with a potential revenue of £1,725 per annum.

2.3 It is suggested that the initial allocation should be restricted to one permit per property to ensure a fair process of allocation. After the first month of being available, the allocation should be opened up to any property requiring a second permit if the maximum number of permits issued has not been reached. This will be on a first come, first served basis up to the issue of a maximum 69 permits.

2.4 In March 2014, Councillor Rodohan presented a similar petition to the County Council. Officers contacted Councillor Rodohan and it was agreed to include the petitioners' request in the next review of parking in Eastbourne. As there were other similar requests from residents in surrounding roads it was agreed to consult on introducing a new permit zone in the Upperton area. Informal consultations took place in November 2014 and further detailed consultation was carried out in June 2015. The feedback from the detailed consultation did not show an overall desire for a scheme to be introduced throughout this area of Upperton. Officers met with Councillor Rodohan to discuss these proposals and it was agreed not to progress with the overall scheme.

2.5 In October 2015 the formal consultation took place in Eastbourne. It was following this review that the petitioners raised another request with Councillor Rodohan and the second petition was presented to full Council in December 2015. This petition asked for permit parking Monday to Friday 9am-5pm, with two hours free parking for non-permit holders.

2.6 The petition presented to the County Council in December has 69 signatures representing 40 properties in Bedford Grove. As there are around 99 properties in this road the petition still does not show a majority of residents have signed up for this scheme.

2.7 Officers met with Councillor Rodohan and the lead petitioners in December 2015 to discuss their request and suggest a way forward. It would be very resource intensive to effectively enforce a single road where there is a two hour free parking period for anyone. As the desire of the residents was to eliminate all-day parking by commuters and local workers, it was suggested that this aim could be achieved by introducing a much reduced parking control. This would be restricted to permit holders only between the hours of 11am and 1pm. Residents would be able to purchase permits for visitors during the operational hours, and parking would be free for anyone else outside these hours.

2.8 At the meeting in December 2015 it was also suggested that consultation takes place on a much smaller scale, restricted to Bedford Grove and the immediate surrounding roads (See the location plan in Appendix 2). It was explained to the lead petitioners that letters would be sent to addresses in these roads. It was also explained that legally the council has an obligation to place Notices in the affected roads and in the local newspaper and these proposals would be open for any member of public to make a representation.

2.9 It is not usual to introduce permit parking schemes in single roads due to the limited road space available, the resources needed to enforce these restrictions, and the displacement effect this type of parking control can cause. If the scheme is progressed to advertisement it is suggested that it is treated as a stand-alone proposal and should not set any precedent.

2.10 If the scheme does gain Lead Member approval it is recommended it goes to formal consultation without further recourse to informal consultation. It would need to fit in to the County Council's Traffic Regulation Order Forward Plan and is likely to be advertised around May 2016. It is estimated that any objections to the scheme would be reported to Planning Committee in July 2016 for their consideration and recommendation. Subject to any recommendations of the Planning Committee it is likely the scheme would be installed in October 2016.

2.11 To effectively enforce controlled parking areas it is necessary to install new parking signs on posts. These posts will generally be galvanized steel, and will have to provide a minimum ground clearance of 2.1 metres from the footpath to the bottom of the sign. Although we aim to use the existing street furniture where possible, (such as lamp-posts) new posts and signs will be needed. These will be visually intrusive to the environment.

3. Conclusion and Reason for Recommendation

3.1 Controlled parking must have the support of local residents and businesses. Any new parking scheme or extension to an existing scheme also needs to strike a balance for the needs of all users and requires extensive consultation. The Lead Member is therefore recommended to advise the petitioners that their request is progressed to see if permit holder parking should be introduced in Bedford Grove.

RUPERT CLUBB

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LOCAL MEMBERS

Councillor Rodohan

BACKGROUND DOCUMENTS

None

Appendix 1

Full text of the petition presented to County Council in December 2015

We the undersigned wish to see Residents' Parking introduced in Bedford Grove. We believe Bedford Grove has special circumstances which should allow it to be an exception to the existing parking conditions of surrounding roads. These are:

- a) The vast majority of residents who took part in the recent East Sussex County Council consultation "Upperton Parking Review 2015" voted in favour of Residents' Parking;
- b) Bedford Grove is a narrow road, densely populated, leading to a high ratio of resident-owned cars to parking space. Therefore commuters' vehicles regularly deprive residents of being able to park close to their homes Mon-Fri-8am-6pm;
- c) Bedford Grove properties do not have any facility for off-road parking;
- d) Bedford Grove is a mixed-occupancy road – families, retired people, working people, students, home-owners, renters (short and long term), single-occupancy homes. Therefore it has a high proportion of residents moving around the road during the day, wanting to park near their homes;
- e) Bedford Grove's width does not allow two vehicles to pass each other, which frequently causes one car to have to reverse down the road and then back out onto Eversfield or Carew Road (a bus route) which is highly dangerous;
- f) Vehicles often have to be stopped in the middle of the road to allow residents/contractors working for them to load/unload people/tools, thereby blocking the road to other vehicles – including emergency vehicles;
- g) Bedford Grove is swamped by commuters parking or wishing to park in it Mon-Fri, often leading to unpleasant incidents with some commuters being rude or aggressive;
- h) East Sussex County Council already has designated a one-off road in the area to have Residents' Parking (Commercial Road) so there is a precedent for the action.

We wish to see shared parking bays introduced which would be available to permit holders without a time limit and to anyone else for a period of up to two hours. The permit scheme would operate Mon-Fri 9am-5pm. Each qualifying household would be able to purchase up to two annual resident permits, expected to cost £25 for the first permit and £75 for the second. Permits would also be available for visitors to park without time limit. Non permit holders will be able to park for up to two hours free of charge.

Note 1: 69 signatures are on the petition.

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Report to:	Lead Cabinet Member for Transport and Environment
Date of meeting:	22 February 2016
By:	Director of Communities, Economy and Transport
Title:	Revised East Sussex Local Flood Risk Management Strategy – Draft for Public Consultation
Purpose:	To seek Lead Member agreement to publish a draft Revised Strategy for public consultation for a period of six weeks

RECOMMENDATION: The Lead Member is recommended to approve the Draft Revised Local Flood Risk Management Strategy 2016-2026 for public consultation for a six week period commencing on 29 February 2016.

1 Background Information

1.1 The County Council adopted the East Sussex Local Flood Risk Management Strategy (LFRMS) in July 2013. The Strategy was prepared as part of the County Council's new role as a Lead Local Flood Authority (LLFA). It was a high level statutory document with a Delivery Plan to cover the period 2013 – 2016. There is a need to produce a revised Strategy in order to cover the implications of Government changes which makes the County Council (as LLFA) a statutory consultee to the planning system on drainage matters for major new development. It will therefore be necessary for the Strategy to be revised to give detailed guidance and advice at a more local level. The forward delivery of actions to implement the Strategy also needs to be updated.

1.2 Under Section 9 of the Flood and Water Management Act 2010 (the Act), East Sussex County Council, as a LLFA, is required to develop and consult upon a Strategy. Section 9 (4) of the Act outlines the requirements of a Local Flood Risk Management Strategy, including the setting of objectives for local flood risk management in the county and demonstrating how these objectives are to be delivered. Development of the draft LFRMS has been overseen by a project board consisting of senior officers from East Sussex County Council, the Environment Agency and Southern Water.

1.3 The draft LFRMS sets out the Council's framework for managing local flood risk (from surface water, groundwater and ordinary watercourses) in East Sussex. Once adopted, it will replace the current LFRMS. The current LFRMS is supported by a Delivery Plan (a physically separate document) which has been reviewed and updated on an annual basis. At the June 2015 meeting of Cabinet, delegated authority was given to the Lead Member for Transport and Environment to approve subsequent reviews of the Delivery Plan.

1.4 The Revised Strategy will not commit the Council to expenditure beyond what is proposed as part of the revenue budget setting process. Existing budgets will be used to finance consultation and engagement with key stakeholders.

2 Supporting Information

2.1 The draft Revised LFRMS is enclosed as Appendix 1 of this report. The Strategy's Technical Appendices, which comprise supporting detailed information, are available in the Members Room. The legislation governing the County Council's flood risk management role does not provide detailed direction on how the LLFA role should be undertaken. However, working with local, regional and national partners has informed the development of the Revised LFRMS.

2.2 The key changes in the draft Revised Strategy are:

- A revised assessment of local flood risk for the County – paragraphs 18 – 25 of the LFRMS
- Guidance on the circumstances in which the LLFA will investigate a flood event – paragraphs 50 - 55 of the LFRMS

- The provision of standing advice to developers and planners on the requirements for drainage strategies as part of new development – paragraphs 56 - 68 and Appendix of the draft LFRMS
- The characterisation of drainage conditions within the County at a more local level to assist developers and planners in understanding which drainage techniques are appropriate in a particular location – Appendix of the draft LFRMS

2.3 The revised LFRMS is also intended to be used as a source of information for residents across East Sussex. Complex matters are communicated, including identification of different flooding mechanisms and explanation of homeowner responsibilities for maintenance and resilience to flooding which is included at paragraphs 69 – 87 of the draft LFRMS. This is consistent with the Council Priority of ‘helping people help themselves.’

2.4 A Strategic Environmental Assessment (SEA) has been undertaken for the revised LFRMS and found the strategy to have no adverse environmental impacts. A copy of the SEA is available in the Members Room. Natural England has confirmed that a Habitats Regulation Assessment will not be required for the draft LFRMS.

2.5 Section 9 (6) of the Act requires the LLFA to consult both the public and the Risk Management Authorities on the Strategy. As the document will be used mainly by Risk Management Authorities, Local Planning Authorities and developers, a technical stakeholder event is proposed to launch the consultation process. Following consultation, which is proposed for a six weeks period from 29 February to 10 April, the Strategy will be amended as appropriate, and presented for adoption to Cabinet.

3 Conclusion and Reason for Recommendation

3.1 The draft Revised East Sussex Local Flood Risk Management Strategy (2016-2026) sets out the County Council’s framework and priorities for managing flood risk in East Sussex. It includes additional aspects to cater for the County Council’s new role as statutory consultee to the planning system on drainage matters for major new development. A revised implementation plan is also included. The Lead Member is therefore recommended to approve the draft Revised Strategy for public consultation commencing on 29 February 2016.

RUPERT CLUBB

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LOCAL MEMBERS

All

BACKGROUND DOCUMENTS

- East Sussex Local Flood Risk Management Strategy 2013-2016
- Draft Revised Local Flood Risk Management Strategy 2016-2026 - Technical Appendices
- Strategic Environmental Assessment

East Sussex Local Flood Risk Management Strategy

2016 – 2026

Contents

Introduction	3
Purpose of the Local Flood Risk Management Strategy	4
The area of interest	4
What is flood risk?	5
i) Impacts of flooding	5
ii) Sources of flooding	6
ii) Summary of flood risk in East Sussex	7
Issues	9
i) Planning to cater for flood risk	9
ii) Impacts of flooding	9
iii) Evidence deficiencies	10
iv) Resource challenges	11
The Flood Risk Management Strategy	11
i) Guiding principle	11
ii) Objectives	12
iii) Prioritising actions to address local flooding	12
iv) New Development and flood risk	13
<i>Standing advice for specific drainage risk areas</i>	14
<i>Requirements for drainage strategies</i>	15
v) Addressing drainage ownership, responsibilities and works	16
vi) Improving awareness of local flood risk	19
vii) Improving the evidence base	19
viii) Working in partnership	20
ix) Funding for Local Flood Risk Management	21
Next steps	22
Delivery	22
Appendix	23

Introduction

1. Following widespread flooding across England and Wales in 2007 the Government commissioned Sir Michael Pitt to carry out an independent review to 'learn lessons' from the floods. Pitt's report called for fundamental changes to the way in which flooding was managed.
2. The report has shaped the way in which flood risk is managed in the country. The introduction of the Flood and Water Management Act (2010) provided a new framework for the management of flood risk, and introduced the county and unitary councils as Lead Local Flood Authorities. This gave East Sussex County Council a co-ordinating role in managing flood risk from local sources (surface water, groundwater and ordinary watercourses) .The Environment Agency's responsibility for coastal and fluvial flood risk (when rivers burst their banks) from main rivers is maintained, whilst having strategic overview of all forms of flooding.
3. Changes were made to the planning system in 2015 to make sure that developments 'make space for water' by including sustainable drainage systems (SuDS) into their design. As a result, East Sussex County Council is now a statutory consultee to the planning system and reviews the appropriateness of drainage systems within all major development proposals in the county.
4. However, since the Pitt Review, the UK has been hit by multiple severe flood events, including more recently the winter 2013-2014 flooding of the Somerset Levels and the winter 2015-2016 flooding of northern England. These events indicate the increased frequency of severe weather in the future.
5. Building upon the previous strategy (2013-2016), the East Sussex Local Flood Risk Management Strategy 2016-2026 has been produced to reflect the changes in regulation which have taken place, and to provide a robust framework to guide local flood risk management over the next ten years. In particular this strategy provides standing advice to make sure that development of land and watercourses in East Sussex does not increase flood risk now or in the future.

Purpose of the Local Flood Risk Management Strategy

6. The East Sussex Local Flood Risk Management Strategy which covers the period 2016-2026 has been prepared as part of the County Council's role as a lead local flood authority. It is in line with the Environment Agency's National Strategy for Flood and Coastal Erosion Risk Management, and builds upon the first Local Flood Risk Management Strategy, which established principles of local flood risk and included a delivery plan 2013-2016.
7. The new strategy is a high level, statutory document that sets out the County Council's approach to limiting the impacts of local flooding across the county. It also provides a strategic framework for the risk management authorities to work within, and goes on to establish new standing advice on drainage issues in the county.
8. The long-term aim of the strategy is to provide a co-ordinated approach to managing local forms of flood risk in East Sussex.
9. The strategy's delivery plan outlines the activities that will be progressed over the coming year to address local flooding issues – this will be updated regularly.

The area of interest

10. This strategy covers the county of East Sussex, an area of 1,725km² that includes the districts of Lewes, Rother and Wealden and boroughs of Eastbourne and Hastings, the South Downs National Park.
11. The population of the county in 2016 was estimated at 540,000 with 75% of people living in urban areas, mainly along the coastal strip.
12. East Sussex is widely known for its high quality landscape. The High Weald Area of Outstanding Natural Beauty, the South Downs National Park and the Heritage Coastline that includes the Seven Sisters all fall within East Sussex. The county also has a wide range of protected environmental and heritage sites of international, national and local importance. A detailed overview of the physical, social and economic characteristics of East Sussex can be found in Section 1 of the Local Flood Risk Management Strategy Technical Appendices.
13. Recognising that the movement of water through the landscape is not limited by administrative boundaries, the County Council will look beyond its borders and work (with key partners) across river catchments to address flooding issues where necessary.

What is Flood Risk?

All flooding is a hazard as it has the potential to cause harm to human health and life, and affect the natural and built environment.

However the term 'flood risk' is only used to acknowledge the actual harm caused by flooding.

Flood risk is a combination of the probability or likelihood of a flood event occurring and the severity of its impacts:



Flooding is only a risk when there is a pathway or route for the floodwaters, which links the flood source to people, property or agricultural land (the receptor).



Risk captures the severity of, or related consequences produced by, a flood event. Impacts can be social, economic and environmental, such as the number of properties flooded and the level of associated economic damages. The consequences of a flood depend on the level of exposure and the vulnerability of those affected.

Impacts of flooding

14. Flooding is a natural process that shapes our environment, but it can also pose a threat to the safety and wellbeing of communities.

15. The impacts of flooding include:

- damage to residential and commercial property, agricultural land, key services and infrastructure such as roads and hospitals,
- increases in the cost of, or an inability to gain access to, flood insurance,
- health related impacts (both physical and psychological),
- adverse impacts upon businesses confidence, and
- environmental impacts such as the pollution of watercourses, impacting upon wildlife and habitats.

16. Flooding can also be beneficial. With careful management, storing water in selected 'low' risk areas can provide flood protection, whilst also allowing habitat creation and providing amenity value.

17. Flooding from local sources cannot be tackled in isolation as multiple sources often combine to produce a flood event. Although it is not possible to prevent all flooding, East Sussex County Council will work, with its partners, to manage and limit the impacts of local flooding on communities across the county.

Sources of flooding

Surface water flooding: Occurs when the rate of rainfall is higher than the rate at which water can drain into the ground or enter a drainage system, creating runoff and pooling on the land surface.

Authorities responsible: East Sussex County Council, as the Lead Local Flood Authority and Highway Authority, is responsible for managing surface water flood risk.

Groundwater flooding: Occurs when water in the ground, stored in soil pore spaces or rock fractures, rises up and above the surface. This is common in areas where underlying rocks (like chalk) can store and release large amounts of water, and also on floodplains where the water table lies close to the surface, and can be raised by river levels or high tides.

Authorities responsible: East Sussex County Council, as the Lead Local Flood Authority, is responsible for managing groundwater flood risk.

Flooding from main river and ordinary watercourses: Occurs when the water flowing in a watercourse (which may be piped or culverted in sections), exceeds the capacity of the channel and goes over its banks. There are two categories of watercourse: main rivers (those which present the greatest risk to life and property), and ordinary watercourses, which cover all other watercourses, including streams and ditches.

Authorities responsible: The Environment Agency is responsible for managing flood risk from main rivers. East Sussex County Council, as Lead Local Flood Authority, is responsible for managing flood risk from ordinary watercourses, outside the boundaries of Internal Drainage Districts. The Upper Medway and Romney Marshes Area Internal Drainage Boards (and the proposed Pevensey and Cuckmere Water Level Management Board) deal with flooding from ordinary watercourses within their borders.

Coastal flooding: Occurs when coastal flood defences are either overwhelmed or breached by high tides or a storm surge.

Authorities responsible: The Environment Agency is responsible for managing coastal flooding. Whilst coast protection works are not the same as coastal flood defences, they can contribute to the effectiveness of flood defences. Responsibility for coastal protection works lies with the boroughs and districts.

(Foul) Sewer flooding: Can happen when the sewerage system fails due to blockages, a collapse or it is overwhelmed by groundwater or surface water.

Authorities responsible: Southern Water, as the sewerage undertaker, is responsible for managing sewer flooding across the county.

Summary of flood risk in East Sussex

18. As outlined on pages 5 to 6, East Sussex County Council as Lead Local Flood Authority is responsible for managing local flood risk (groundwater, surface water, ordinary watercourses). These types of flooding are often influenced by other factors, such as the tide, main rivers or sewer systems. For example, a high tide can prevent drains from discharging into the sea, 'tide locking' the system which in turn can lead to surface water flooding if this coincides with intense rainfall.
19. To help in understanding the extent of flood risk in the county the local flood risk has been assessed. The overall flood risk to people and properties in East Sussex was assessed and included surface water, groundwater, main river and coastal flood risk data, as well as recorded flood incidents. Each ward within East Sussex was then ranked on the basis of combined flood risks and the receptors affected (see figure 1). Further details on how risk has been assessed within this strategy can be found in Section 4 of the Local Flood Risk Management Strategy Technical Appendices.
20. The results showed flood risk to be highest to the south of the county and on river flood plains, in particular Eastbourne, Lewes and Hastings. As these areas are typically low-lying, not only is there the direct risk of flooding from major rivers or the sea, but also susceptibility to flooding from groundwater and surface water.
21. Beyond the coastal strip and river valleys, the flood risk in East Sussex is more dispersed. Flooding may occur as a result of pockets of high groundwater, or surface water running off steeper slopes, compacted ground or from blockages to a drainage system. This type of more localised flood risk occurs in both urban and rural settings, and can be difficult to accurately predict.
22. The highest risk of surface water flooding coincides with the wards with the greatest concentration of population and assets. These are mainly in Eastbourne (Meads and Devonshire), Hastings (Central St. Leonards and Castle), and Bexhill (Sackville and Central). However, risk is also present in towns acting as a focus for growth, such as Hailsham.
23. High groundwater can also increase the surface water flood risk. This is largely present on the coastal strip and on the plains of the rivers Ouse, Medway, Cuckmere, and Rother, where the water table lies close to the surface. If the ground becomes saturated, rainfall is unable to drain into the ground, and floods the ground surface. This contributes to the higher flood risk in villages such as Alfriston and Willingdon, which are situated on floodplains.
24. Groundwater flood risk is highest over the South Downs, where the chalk geologies have the potential to store and release large amounts of water. Water levels can rise in response to heavy rainfall, and emerge at the surface or close to it, causing flooding. The wards at highest risk of groundwater flooding include Lewes Bridge, Devonshire in Eastbourne, and Newhaven Denton and Meeching. All of which lie within or close to the South Downs.
25. The assessment provides a high-level picture of the predicted flood risk in East Sussex, based on a combination of nationally modelled data and local information. However, flood risk on a local level can vary considerably and all settlements have complex drainage systems, which can give rise to flooding issues if not maintained correctly. These more localised drainage and flood risk issues have been investigated within Surface Water Management Plans (SWMPs) undertaken for the fourteen settlements identified below.

The previous strategy identified fourteen ‘hotspots’ at the highest flood risk, which covered the towns of Battle, Bexhill, Crowborough, Eastbourne, Forest Row, Hailsham, Hastings, Heathfield, Lewes, Newhaven, Peacehaven, Seaford, Rye and Uckfield. The distribution of flood risk has not changed significantly since the previous assessment. Therefore, the County Council will look to further understand local flood risk (where funds allow) within these areas.

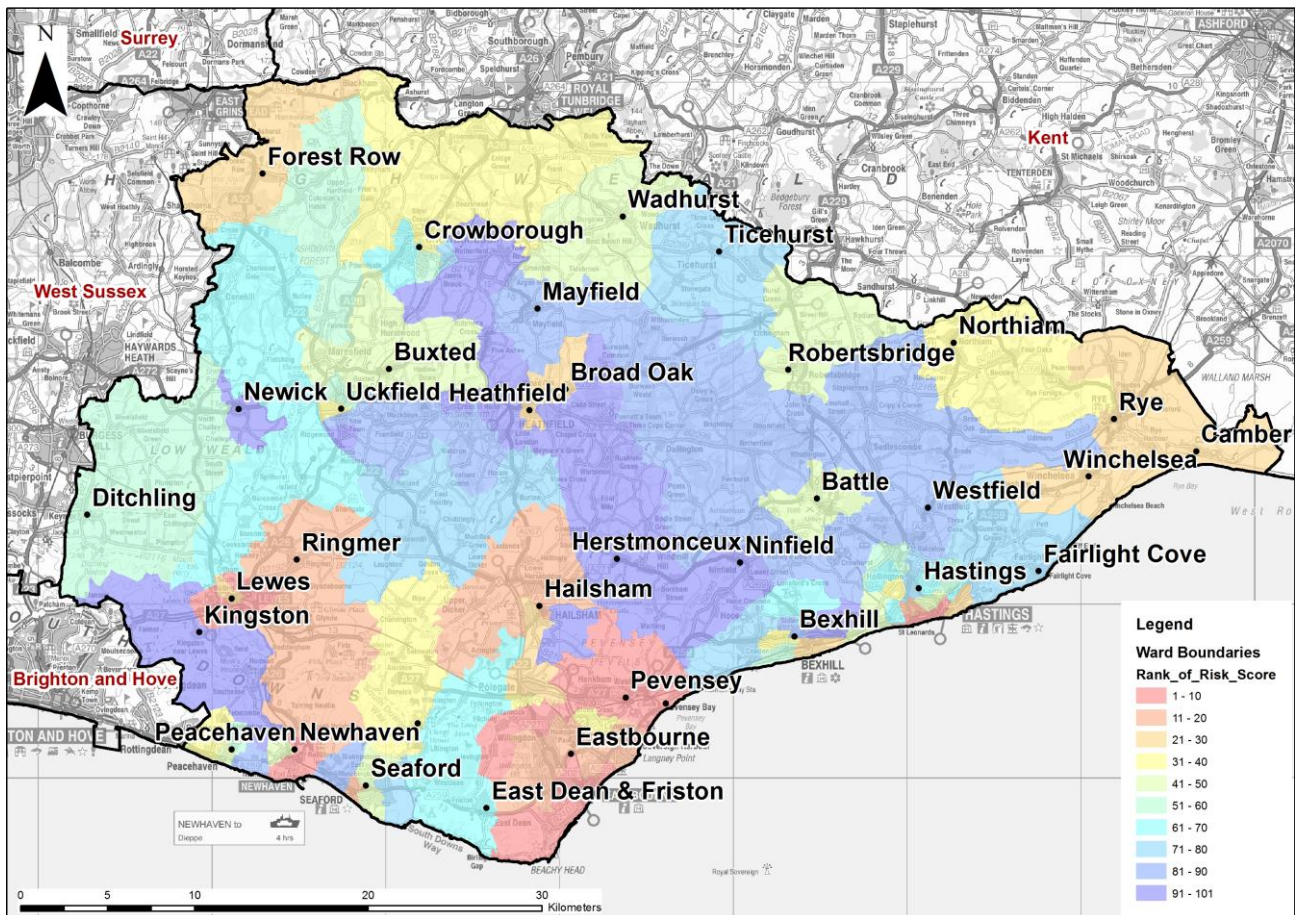


Figure 1: The ranking of wards in East Sussex based on the overall flood risk score (as in Table X). Wards coloured red are at a high overall flood risk, whereas those in blue are at a low overall flood risk.

Issues

i) Planning and flood risk

26. The planning system is perhaps the most significant risk management tool available to local authorities. The National Planning Policy Framework and its Planning Practice Guidance make it clear that the management of all forms of flood risk is essential when developing local plans and making development management decisions.

27. By determining the location of development, influencing its form and ensuring that the appropriate surface water drainage systems (including arrangements for their management) are in place, the planning system can address the risk of flooding to new development and the risk which might be posed elsewhere as a result of that development.

28. As a consequence of the changes to the Development Management Procedure Order made in April 2015, Lead Local Flood Authorities (LLFAs) must be consulted on the drainage implications of major development proposals (see section iv) Development and flood risk).

29. However, there is a remaining risk which is not fully addressed by these changes and the focus on major development. Major development proposals account for less than 10% of the total applications received by the East Sussex planning authorities every year. There are concerns that the combined impact of minor development could present a greater risk than major green field development sites.

30. Government has indicated that the major development threshold will be reviewed. Even so, the current legislative and funding framework for the LLFAs is focussed on major development and so East Sussex County Council has had to develop other ways of advising planners and developers on drainage matters for all sizes of development.

31. As a result, this strategy looks to develop greater awareness and knowledge of local flood risk issues within the planning system in East Sussex, to raise capacity (where possible) within the planning authorities and to work with them to identify areas of drainage concern which can be worked on jointly.

ii) Changing climate and population

32. The UK has experienced a number of severe winter flood events since 2000. With an increase in rainfall recorded since the 1980s and five out of six of the UK's wettest winters occurring after 2000, there is a growing recognition that we are experiencing the impacts of climate change.

33. According to the UK Climate Change Risk Assessment (2012) flooding is the part of climate change which will have the greatest impact on the UK. The warming atmosphere is able to hold more moisture, which results in more frequent storms and intense rainfall. This is predicted to cause greater surface water flooding, as well as more frequent coastal and fluvial flooding from higher river flows and rising sea levels.

34. Management of future flood risk will require greater adaptation and resilience. Effective partnership working between the Risk Management Authorities will be essential for adaptation, to make sure efforts are co-ordinated in upgrading and maintaining infrastructure, raising public awareness and responding efficiently to flooding.

35. In meeting the housing needs of a growing population, the planning system and development sector will be central to improving the UK's resilience to flooding. This includes the continuing regulation of development on flood plains, including sustainable drainage systems (SuDS), and making sure that new homes can withstand the impacts of flooding now and over the lifetime of the property.

36. A changing climate will affect all the Risk Management Authorities and how they manage their resources and develop their investment plans, to cope with both the risk presented to our communities now as well as any future growth.

However, a constraint in managing future flood risk is the uncertainty in the timing and scale of flooding. Modelled flood risk data, including the impacts of climate change, underpins current decision-making. However, the occurrence of repeated, severe floods over the past decade has challenged the accuracy of modelled flood risk and its frequency.

iii) Evidence deficiencies

37. The understanding of local flood risk in East Sussex has grown significantly since the 2013-2016 Local Flood Risk Management Strategy was published. This has been gained through a combination of improving the technical capacity of the Lead Local Flood Authority, undertaking land drainage investigations, engaging with the planning system and carrying out settlement studies.

38. There have been improvements in modelling local flood risk and the Environment Agency's Updated Flood Map for Surface Water provides the best available information on local flood risk across the county. Despite these improvements, this mapping is produced at a national level and as a result does not include all the local details and features which define local flood risk.

39. Additional local studies are required, to better portray the complex flow paths and flooding mechanisms within urban environments. However, such modelling is expensive and there are limited opportunities to carry out the work necessary to provide a more precise understanding of flooding in the higher risk areas.

40. Flood incidents are well documented in urban areas, where the impacts of flooding are more significant and often involve more than one Risk Management Authority. However, in rural areas where flood incidents are more isolated, documentation of flooding is likely to be less detailed and complete than in urban areas.

41. One of the most significant evidence deficiencies in East Sussex is the lack of a complete record of underground drainage systems. Without the knowledge of location, ownership or condition of these drainage systems, development proposals may cause flood risk issues should they seek to connect into, or build above these features. As plans and documentation have been lost over time, there is a need to 'recreate the evidence base'. These systems are often complex, and expensive to survey, but without this information our understanding of urban flooding mechanisms will always be incomplete.

iv) Resource challenges

42. In a time of austerity, there will be pressures bearing down on funding for Lead Local Flood Authorities. The improvements in our understanding of local flood risk emphasises both the scale of the task of developing a comprehensive knowledge of local flooding in East Sussex and the investment required of all RMAs (not just the Lead local Flood Authority) to achieve that goal.

43. Although funding is available through Flood Defence Grant in Aid and the Local Levy allocated by the Southern Regional Flood and Coastal Committee, this is for specific projects and will require contributions from partner organisations, businesses or the local community if they are to qualify for funding.

44. In order to deliver the co-ordinating role of the Lead Local Flood Authority and to work effectively with other Risk Management Authorities, the County Council needs a variety of skills, including drainage engineering, hydraulic modelling, hydrology, policy, drainage legislation and planning. This needs skilled, technical staff, up-to-date specialist software, and a wide range of data, all of which require sufficient funding.

45. The strategic priorities set out under the key themes below, show how we will begin to tackle these challenges and manage local flood risk across East Sussex.

The Local Flood Risk Management Strategy

46. Flooding across the county comes from a number of different sources and often these combine, heightening the risk to communities. Working with the other risk management authorities and key stakeholders the County Council aims to deliver a co-ordinated and effective approach to flood risk management, avoiding inefficiencies and duplication of effort.

i) Guiding principle

47. The guiding principle and objectives frame this local flood risk management strategy and set out what we want to achieve in the long-term.

48. The guiding principle of the East Sussex Local Flood Risk Management Strategy is:

To provide local leadership and work in partnership with public bodies, businesses, communities, and voluntary sector organisations to manage the risk and associated social, economic and environmental impacts of localised flooding, and to support, where appropriate, partners in managing the risk from the coast and rivers.

ii) Objectives

49. This strategy will work towards achieving the following objectives:
- i. Establish and maintain effective partnerships with key organisations and local communities in order to develop collective knowledge, share best practice and secure funding for local flood risk management measures.
 - ii. Improve the evidence base and understanding of local flood risk to ensure that limited resources are targeted in the areas of highest risk and vulnerability.
 - iii. Empower local communities and land owners to take action in order to be prepared for and limit the impacts of flooding.
 - iv. Avoid increasing flood and coastal erosion risk by encouraging best practice for the maintenance of assets and preventing inappropriate development.
 - v. Work in partnership to deliver cost-effective flood and coastal erosion risk management measures which take a catchment wide approach and contribute to wider social, economic and environmental benefits.

iii) Prioritising actions to address local flooding

50. Key to our strategy's approach to tackling local flooding is proportionality. It is not technically, economically or environmentally possible to remove all flood risk. The County Council and its partners must invest limited resources to their best effect, in other words gaining the maximum benefit for every pound spent.
51. The areas of highest flood risk identified within the 'Summary of Local Flood Risk' (page 7) will act as a focus for our efforts, and inform further work to determine possible options for managing flood risk at these locations.
52. Although the highest flood risk is within the urban areas of East Sussex, the County Council has assessed the relative flood risk across the entire county, to make sure that rural flood risk is treated with the same proportionate approach.
53. Further issues will be identified through the County Council's flood investigatory and planning consultee roles (see section iv) Development and Flood Risk), as well as through consenting and enforcement responsibilities for ordinary watercourses (see section v). Addressing Drainage Ownership, Responsibilities and Works). The other risk management authorities, local flood groups and parish councils should also bring local flooding and maintenance issues to the attention of the lead local flood authority.
54. Where a significant flood event has occurred and the responsibility for managing the risk is unclear, the LLFA may carry out a formal flood investigation, under Section 19 of the Flood and Water Management Act 2010. The aim of this investigation is to identify which authority has responsibilities and whether it is proposing to respond. The results of the investigation will be published.
55. It is for the LLFA to decide whether a formal investigation is necessary or appropriate. Formal investigations are both time and resource intensive, and therefore use of

this power will be proportionate to the impact of the flood. Consideration will be given as to whether agreement between the Risk Management Authorities can be reached informally. The LLFA will use the below approach to assist in determining whether a Section 19 investigation is necessary.

Strategic Priority

- Resources to address flooding issues will be allocated in a proportionate manner, focusing on areas where the optimal social, economic and environmental benefits can be delivered.
- Prioritise formal investigations¹ where significant flooding has occurred, and the cause or management responsibility cannot be identified, based on the following definition for 'significant flooding':
 - a) Internal* flooding of five or more properties within a sub-catchment during a single flood event.
 - b) Internal flooding of a single property on two or more occasions within the past five years.
 - c) Internal flooding to five or more commercial properties, where there has been significant disruption to business.
 - d) Repeated occurrences of severe flooding within the curtilage** of five or more properties in a sub-catchment or district and borough ward, within the past five years.
 - e) Flooding which caused the failure of assets designated as Category 1 Critical National Infrastructure or higher².

* Where 'internal' means flood water crossing the threshold of the property

** Where 'curtilage' means the site which contains a property i.e. driveway, garden, garage.

¹ Under Section 19 of the Flood and Water Management Act 2010.

² Defined by the Government as physical or electronic infrastructure assets which provide essential services to the UK, which, if compromised, would cause severe economic or social affects, or loss of life. Loss of Category 1 infrastructure (the lowest in the scale) would cause moderate, localised disruption to thousands of people.

iv) New development and flood risk

56. Coordinating local flood risk management with the planning system is a key priority. East Sussex, like the rest of the South East, is expected to accommodate further growth to meet social and economic needs. However, if poorly managed and designed, development can create the significant issues of surface water flooding and water pollution.

57. This strategy looks toward limiting the risk to, or caused by, new development by providing detailed local flood risk and drainage information. Improving the evidence base for local flood risk management will also help the development planning process and make sure that flooding issues are considered at the very earliest stages of site identification and design.

58. The National Planning Policy Framework requires planning authorities (such as the County Council, district and borough councils and the South Downs National Park Authority) to consider all forms of flood risk when drafting development plans and in making decisions on development proposals. This strategy sets out standing advice on the drainage and local flood risk constraints in the county for developers and planning authorities.

Sustainable Drainage Systems (SuDS)

59. Key to managing future flood risk is the use of Sustainable Drainage Systems (SuDS) in new developments. SuDS are techniques used to manage surface water in the built environment. They aim to:

- Control quantity and rate of surface water runoff from a development,
- Improve the water quality of surface runoff, and
- Improve the biodiversity and amenity value of the development site.

60. SuDS intend to manage rainfall where it falls and mimic natural catchment processes. This can take a number of forms, including green roofs, swales, permeable paving, soakaways and wetlands.

61. Under Article 18 of the Town and County Planning (Development Management Procedure) (England) Order 2015, Planning Authorities must consult the Lead Local Flood Authority on the drainage and surface water implications of major development proposals. This includes:

- i. Residential development of 10 or more dwellings or over 0.5 hectares,
- ii. buildings with a floor space of 1,000m² or more,
- iii. development on a site of over 1 hectare, and
- iv. minerals and waste development.

62. The County Council is not currently formally consulted on the drainage and surface water implications for minor development. Instead, the East Sussex SuDS decision support tool for small development is provided on the East Sussex County Council website (<https://new.eastsussex.gov.uk/>), to help developers and planners when considering the drainage requirements of a particular site.

63. East Sussex County Council, as LLFA, will review flood risk and drainage issues in the county to identify areas of critical drainage concern. Sites and settlements within these areas of critical concern will form the basis of additional guidance to this strategy. The planning authorities will be advised to require developers to use the SuDS tool to guide the drainage design of minor development proposals in these areas.

64. For further guidance on how the County Council expects drainage and local flood risk issues to be approached as part of a planning application, please refer to the East Sussex County Council 'Guide to Sustainable Drainage Systems in East Sussex'.

Standing Advice for Sustainable Drainage

65. East Sussex Council Council's Standing Advice for Sustainable Drainage is intended to support the interpretation of planning policy, and should be used alongside the National Planning Policy Framework and the Development Plans of the Planning Authorities in East Sussex and the South Downs National Park Authority. This standing advice, along with the SuDS guide, will be used by the LLFA to decide if drainage proposals are acceptable.

66. To support this role as a statutory consultee to the planning system, the following section sets out standing advice for sustainable drainage in East Sussex. These are presented in two forms:

1. Specific Drainage Risk Area Guidance - guidance for each of the four drainage risk areas within East Sussex. These are based on the analysis of geological and flood risk data, alongside the Surface Water Management Plans undertaken within East Sussex.
2. Requirements for all drainage strategies – key sustainable drainage design principles which should be applied to developments throughout East Sussex. These are outlined in the strategic priorities section on page 5. However full details are available in Appendix 1: Requirements for a Drainage Strategy.

67. East Sussex has been organised into four areas of broad drainage characteristics, based on analysis of a range of data sets. This is intended to support the preparation of drainage strategies within development proposals, so that appropriate SuDS techniques are put in place.

68. Each group profile contains standing advice specific to the drainage characteristics of that particular area. These are strategic and based on a combination of mapping and known drainage issues within the county. The group profiles are provided as a guide and do not remove the need for site-specific assessment needed to develop a robust drainage strategy.

Strategic priorities

The County Council will:

- Work with the local planning authorities in East Sussex to ensure that the planning process takes full account of drainage and surface water management issues.
- As a statutory consultee to the planning system, advise developers in East Sussex on Sustainable Drainage Systems (SuDS) in line with the standing advice provided below, and the Guide to Sustainable Drainage Systems in East Sussex.
- Require new development proposals to be supported by an appropriate drainage strategy for local conditions, using the standing advice outlined in this strategy.
- Work with local planning authorities to ensure that minor development is sensitive to potential drainage issues, by encouraging use of the East Sussex County Council online SuDS tool by both planners and developers in areas it identifies as an area of critical drainage concern.
- Require development proposals to address the following:
 - a) Accommodation of existing surface water flow paths.
 - b) A secured means and location of the surface water outfall
 - c) Peak flow control.
 - d) Urban creep.
 - e) Infiltration methods must be tested.
 - f) Consideration of existing flood risk.
 - g) Maintenance for the lifetime of the development.

Where possible, development proposals should improve urban water quality and seek to reinstate (or 'daylight') culverted watercourses.

v) Addressing drainage ownership, responsibilities and works

69. Both urban and rural areas benefit from drainage systems, which in most instances date back many centuries. However, these assets can fail if:

- a) The **ownership** of a watercourse or structure (and the responsibility for maintenance of it) is unknown.
- b) **Maintenance** of an asset has been neglected.
- c) Inappropriate **works** have been carried out on a watercourse.

What is a watercourse?

We define a **watercourse** as:

'All rivers, streams, ditches, drains, culverts, dikes, sluices and passages through which water flows'

Land Drainage Act
(1991).

a) Ownership

70. Where a watercourse flows through, under or next to a property, that landowner may be a 'riparian owner'. The watercourse could be piped or culverted in sections, and may not be immediately obvious.

71. Where a watercourse forms the boundary between two properties, each landowner is responsible for 'their half' of the watercourse, up to the centre line of the channel.

72. Property owners should be aware of any culverted watercourses under their property. In many cases these culverts may not be the responsibility of a private or public body, and when this occurs responsibility falls to the riparian owner.

b) Maintenance

73. The Pitt Review identified that a lack of maintenance of drainage systems and watercourses was a contributory factor to the 2007 summer floods.

74. Without regular maintenance, the level of protection provided by these assets will continue to lessen over time, and replacement, or refurbishment is needed when they reach the end of their design life. The overall costs of flood protection will also be raised by improving assets to manage the higher risk of flooding and erosion expected with future climate change.

75. Where an asset takes the form of a watercourse, riparian owners are responsible for its maintenance. Responsibilities include:

- Clearing any silt and debris, including rubbish.
- Managing vegetation within the channel.
- Making sure the flow of water is not obstructed and preventing any increase in flood risk.

76. Under Section 25 of the Land Drainage Act 1991, the County Council has the power to serve notice on any landowner who is not fulfilling their riparian responsibilities of maintenance, to make sure the necessary works are carried out, and flow is maintained within a watercourse.

c) Works to watercourses:

77. If a person wishes to undertake works to the banks or channel of a watercourse, they may need to apply for Ordinary Watercourse Consent from the Lead Local Flood Authority or Internal Drainage Board. These works include:

- filling in of ditches
- building of bridges
- culverting of watercourses
- installation of outfall pipes.

This does not include designated main rivers, for which consents are granted by the Environment Agency.

A full list of structures requiring temporary and permanent Ordinary Watercourse Consent can be found on the East Sussex County Council website.

78. Watercourse alterations may appear minimal, but can have a significant impact on both the flood risk and drainage of the wider area. In determining applications for Ordinary Watercourse Consent, the County Council will expect to have sufficient and robust information to come to a decision. Information on what is required is provided on the County Council's website.

79. Any development proposals which require works to ordinary watercourses (as outlined above) will require an Ordinary Watercourse Consent, as well as the necessary planning permission.

80. The County Council strongly discourages the use of culverts as they will restrict flows, and present a significant flood risk if not managed properly. There may be cases where culverting is appropriate, but this will be determined on an individual basis. As noted later in this strategy, under Requirements for a Drainage Strategy for a site (section i) it is desirable in managing local flood risk to uncover watercourses which have been culverted. This is commonly known as 'daylighting'.

81. Ordinary Watercourse Consent cannot be granted retrospectively. Where works affecting the flow of a watercourse have been undertaken without consent, and have materially increased flood risk, the County Council has the power to undertake enforcement action to reinstate the watercourse.

82. When disputes over ditch clearance and drainage works occur, these may be taken to the First-tier Tribunal (Property Chamber) for Agricultural Land and Drainage, which can order remedial or improvement works.

Strategic priorities

East Sussex County Council (as a lead local flood authority and highway authority) and, where appropriate, the risk management authorities will work to:

- Raise awareness of riparian ownership, asset ownership and the importance of regular maintenance.
- Maintain an asset register of key structures or features of likely to have a significant effect on flood risk and make this publicly available.
- To identify the responsibility for 'orphan' or unclaimed assets, so that they do not remain unmaintained.
- Use its powers under the Land Drainage Act (1991) to regulate development adversely affecting ordinary watercourses.
- Where it is expedient to do so, use powers under the Land Drainage Act to enforce against lack of maintenance and unconsented works to ordinary watercourses.
- Discourage inappropriate culverting of watercourses and promote the 'daylighting' of culverted watercourses.

vi) Improving awareness of flood risk

83. Raising community awareness is a priority for this strategy. Flood risk cannot be removed entirely, but we can work to help prepare individuals and communities to become more resistant and resilient to flooding, by providing the right information to those who need it.

84. The effective communication of flood risk is important to inform:

- Those liable to flooding are aware of the risk they face and can take action to minimise it, and
- Those who may worsen flooding problems are aware of their responsibilities and the effects that their actions, or lack of action, may have.

85. Central to building resilience against flooding is a greater awareness of the rights and responsibilities of a landowner. This can give homeowners incentive to protect their properties, particularly from surface water flooding. Under common law, landowners:

- Are responsible for the drainage of their own land,
- are responsible for dealing with the water which enters their land,
- are responsible for accepting natural flows of water within a catchment from adjoining land,
- have a right to collect and discharge surface water onto adjoining lower land, and
- have the right to protect their property from surface water flows.

86. Organisations such as parish and town councils, district and borough councils, the Environment Agency, Sussex Resilience Forum (the emergency planning authorities of East and West Sussex) and the National Flood Forum all have a role in informing communities of the risks they face and what can be done to minimise it.

87. Part of this communication of risk is the improvement in the evidence base, which is covered in the following section.

Strategic priority

- The County Council and its partners will undertake focussed awareness raising programmes highlighting the actions that landowners and communities can take to minimise the impacts of flooding.

vii) Improving the evidence base for Local Flood Risk Management

88. The County Council will continue to build a clear and robust evidence base to support the implementation of this strategy and its role within the planning system. Without the regular review and updating of local flood risk information, our understanding of local problems will remain incomplete. This could result in delaying or preventing actions on the ground to address local flooding issues.

89. A number of Surface Water Management Plans (SWMPs) have been undertaken to identify the mechanisms and receptors of local flooding across the county. These have taken place in: Battle, Bexhill, Crowborough, Eastbourne and South Wealden, Forest Row, Hailsham and Hellingly, Hastings (by Hastings Borough Council), Heathfield, Newhaven-

Peacehaven-Seaford, and Rye. The Lewes Integrated Urban Drainage Study was published in 2008, which examined the impacts of flooding on the town.

90. A summary of each of these studies can be found in Section 6 of the Local Flood Risk Management Strategy Technical Appendices.

91. A more robust evidence base will assist the County Council, and its partners, in displaying the costs and benefits of local flooding schemes. This will help us to secure funds both centrally and locally for delivery. Further details of the mechanisms for securing funding can be found in Section 7 of the Local Flood Risk Management Strategy Technical Appendices.

Strategic priorities

- Subject to adequate funding, the risk management authorities will continue to undertake local studies and assessments, investigations and other forms of asset condition surveys. Knowledge gained will be fed back into this strategy, helping us to establish more locally relevant and practical options to address flooding issues. This knowledge will also be used to underpin planning responses and inform reports, including strategic flood risk assessments.
- In exercising other flood risk management duties, such as the production of an asset register and undertaking flood investigations, the County Council will contribute to the knowledge and understanding of local flood risk.
- Further sharing of knowledge, data and best practice will be encouraged between the risk management authorities.
- The County Council and the other risk management authorities for East Sussex will continue to participate in pilot projects and initiatives, where resources allow. This will help build knowledge and capacity within East Sussex, as well as advance understanding within the flooding and water sector as a whole.

viii) Working in partnership

92. The Flood and Water Management Act was intended to streamline flood risk responsibilities but these still remain divided between a number of authorities and are not clearly defined in all cases. Communication, understanding and a co-ordinated response between partners is therefore essential to the delivery of effective flood risk management.

93. Partnership working can incorporate a range of activities, from co-ordinated flood alleviation schemes, to providing technical support or advice to a partner or organisation. This can occur between regional partnerships, such as the South East 7, and other Risk Management Authorities in East Sussex, as well as local councils, communities and flood groups.

94. The County Council works closely with the district and borough councils to combine efforts in managing local flood risk. With Sustainable Drainage Systems approved by the planning system, these partnerships are increasingly important, with effective

communication and good working relationships essential between partners at the Local Planning Authorities (including the South Downs National Park Authority).

95. The delivery of larger flood risk schemes relies on both the resources available to each partner, and levels of central government funding. As these two factors can vary significantly year on year, partnership projects can appear on a more ad hoc basis, and cannot necessarily be planned for in advance. Instead, the focus of the County Council will remain on the sharing of knowledge and technical advice between partners.

96. By working together, we can avoid duplication of effort, maximise available resources and funding opportunities and share best practice, skills and expertise.

Strategic priorities

- The active involvement of all risk management authorities is crucial to this strategy's success. As such, the County Council will continue to participate in key partnerships working alongside other Risk Management Authorities within the county, and at a wider scale supporting regional partnerships across the South East.
- The County Council will continue to work with the Local Planning Authorities, to ensure that planning policy and development management decisions pay due regard to local flood risk.
- The County Council will seek to widen its partnership arrangements to work with other organisations and stakeholders such as local flood groups, town and parish councils, utility companies as well as property owners.

ix) Funding for Local Flood Risk Management

97. The funding available to East Sussex County Council for its new role as a lead local flood authority and for delivering local flood risk schemes is limited and the Government's priority on reducing the national debt will continue to place pressure on central funding for this role.

98. The Government's partnership funding aimed at the delivery of flood alleviation projects encourages communities and stakeholders to take more responsibility for the flood risk they face. It aims to increase overall investment beyond the levels which that which can be provided by central government can provide. An issue to be addressed in East Sussex is the difficulty in identifying partnership funding opportunities and then making sure that they are safeguarded whilst proposals are developed and subsequently approved by the Southern Regional Flood and Coastal Committee. For more details of the funding process, refer to Section 7 of the Local Flood Risk Management Strategy Technical Appendices.

Strategic priorities

The County Council will:

- With the help of the other risk management authorities identify projects which it considers will qualify for external funding.
- Identify where possible new and alternative sources of funding to ‘top-up’ funds for local projects.
- Provide support, where necessary and appropriate, to community led flood risk projects and initiatives.
- Pool resources with local and regional partners where necessary and appropriate.

Next steps

99. The East Sussex Local Flood Risk Management Strategy sets out how the County Council, in partnership with the other risk management authorities and key stakeholders, will manage local flooding issues across East Sussex over the next three years.

100. This strategy represents the first step towards a co-ordinated strategy for flood risk from all sources, but from the outset demands effective and meaningful working arrangements between the risk management authorities if it is to be successful.

101. The key focus for the first three years is building technical capacity, as well as a robust evidence base to support effective decision making through the undertaking of local studies and assessments. A number of schemes to address local flooding problems on the ground will also be developed and delivered.

Delivery

102. A Delivery Plan supports this strategy. It outlines the actions that are currently planned to be carried out, by the risk management authorities in East Sussex and other key partners, to address local flooding issues. These actions contribute to the delivery of the strategy’s objectives.

103. The Delivery Plan will be reviewed on an annual basis with updates made available online at eastsussex.gov.uk.

Appendix:

1) Requirements for a drainage strategy for a site

2) Drainage Risk Areas (detailed)

1) Requirements for a drainage strategy for a site

a) Accommodation of existing surface water flow paths

Proposed development should be designed to accommodate existing surface water flow paths to prevent increasing the surface water risk in settlements. These water flow paths may take the form of obvious topographic flow routes, or subtle ephemeral streams, therefore the drainage strategy must show that the existing local surface water flood risk has been thoroughly assessed. For further guidance, please refer to the 'SuDS Delivery' section of the East Sussex County Council 'Guide to Sustainable Drainage Systems in East Sussex'.

b) A secured means and location of the surface water outfall

The means of discharging surface water from the site and the location of the outfall itself must be identified prior to submission of the drainage strategy.

This includes providing evidence that the accepting watercourse or drainage system has the capacity to receive the additional surface water flows produced by the site, without increasing the downstream flood risk to properties or people.

If the water is discharged on to third party land, permission from the landowners must be secured if it is to be included in a drainage strategy as part of an application for planning permission.

If surface water is proposed to be discharged into a surface water sewer or combined sewer system, permission must be given from Southern Water.

Any works proposed to a watercourse which is not a main river, including outfall structures, are subject to Ordinary Watercourse Consent, which must be submitted as a separate application to East Sussex County Council (watercourse.consenting@eastsussex.gov.uk). Should works affect a main river, consent should be sought from the Environment Agency.

c) Peak flow control

To meet the requirements of the national non-technical statutory standards for Sustainable Drainage Systems (SuDS), peak runoff rates discharged from the development for the 1 in 1 year, 1 in 30 year and 1 in 100 year rainfall events must not exceed the peak greenfield runoff rate from the site for the same event. For brownfield sites, peak runoff rates must remain as close to greenfield runoff rates as possible, and not exceed the pre-development rate of discharge.

The volume of surface water discharged from the development site must also be closely managed, and not exceed the greenfield runoff volume for the 1 in 100 year, 6 hour rainfall event.

Where frequency of flood risk, steepness of topography or permeability of geology has a significant impact on the volume or velocity of surface water being discharged from a site, please contact the LLFA, as a review of the greenfield runoff rates may be needed.

d) Urban creep

Development must allow for potential increases in impermeable surfaces caused by minor extensions and increases in paved areas. Calculations should allow for a 10% increase in the impermeable area of the site.

e) Infiltration methods must be tested

Where infiltration SuDS methods are proposed, sufficient on-site infiltration tests must have been undertaken (for example BRE365 or CIRIA guidance R156 infiltration assessment).

In areas of high groundwater, impermeable geologies or Groundwater Source Protection Zones, infiltration SuDS are strongly discouraged. These areas may contain pockets of deep surficial deposits which provide potential for localised infiltration, however considerable evidence of successful infiltration tests must be provided.

Appraisal is needed to determine whether the site lies within a Groundwater Source Protection Zone (GPZ). Should infiltration be proposed within a GPZ, the Environment Agency would need to be consulted.

f) Consideration of existing flood risk

It is recommended that surface water drainage is designed in consideration of existing flood risk issues in the wider area (please refer to the Specific Drainage Risk Area Standing Advice below, 'Guide to Sustainable Drainage Systems in East Sussex' and the relevant Surface Water Management Plans). How the drainage systems connect must be considered, particularly in light of the impact on surrounding watercourses, infrastructure and properties. Existing surface water issues affecting particular areas of the county should be discussed with the Lead Local Flood Authority and the local district and borough councils.

The eventual destination of water leaving the site must be clearly identified.

g) Maintenance for the lifetime of the development

As with any infrastructure the benefits of SuDS are compromised if they are poorly maintained. Drainage strategies should outline the maintenance requirements, and which organisation will be responsible for maintenance of the drainage system over its lifetime. An agreement outlining how the maintenance will be funded, and details of access for maintenance to take place should also be provided.

h) Water quality

Where surface water flows across urbanised areas there is a risk that it can become polluted with contaminants, such as petrol or household chemicals. SuDS provide an opportunity to enhance water quality, which then provides multiple benefits. Wherever possible, drainage strategies should improve the standard of water quality. Further guidance on this can be found in the South East 7 Guide 'Water. People. Places'.

i) 'Daylighting' of culverted watercourses

Where possible and practical, watercourses beneath the ground surface or which are culverted should be reinstated to an open channel.

This minimises the upstream flood risk caused by frequent blockages to culverts, and enhances the biodiversity of the watercourse. It is also in line with the Environment Agency: Policy Regarding Culverts – Policy Statement, March 1999. Where daylighting is proposed, investigations should be undertaken to ensure that downstream flood risk is not increased by culvert removal. East Sussex County Council should be contacted where daylighting of culverts has been proposed, as the works may also require an Ordinary Watercourse Consent (OWC).

Further guidance

For small-scale planning applications, please refer to the East Sussex County Council *SuDS Decision Support Tool for Small Scale Development* (<http://eastsussex.suds-tool.co.uk>).

For more information on SuDS, please refer to the following guidance:

East Sussex County Council (2015) Guide to Sustainable Drainage Systems in East Sussex.

Lead Local Flood Authorities of the South East of England (2013) Water.People. Places – a guide for master planning sustainable drainage into developments.

Department for Environment, Food and Rural Affairs (2015) Sustainable Drainage Systems: Non-statutory technical standards for sustainable drainage systems. London: Defra

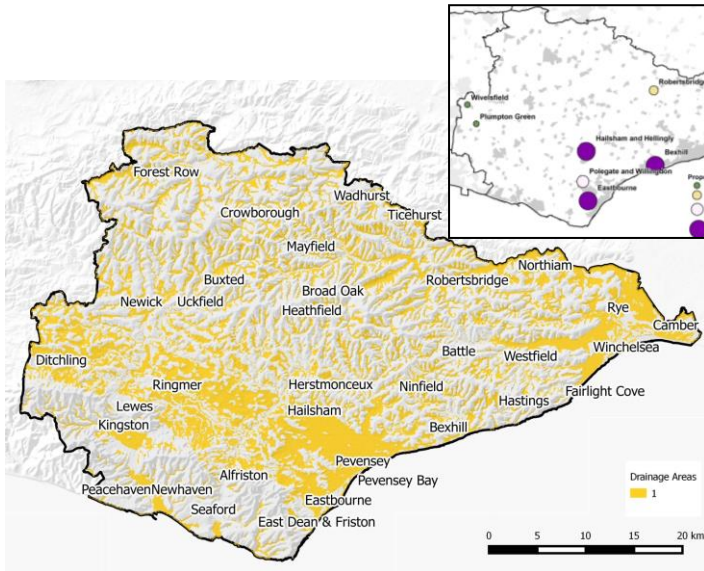
Woods-Ballard, B., Kellagher, R., Martin, P., Jeffries, C., Bray, R., Shaffer, P. (2007) The SuDS Manual (CIRIA C697) London: CIRIA.

2) Drainage risk areas

1. The identification of Drainage Risk Areas in East Sussex was developed to support the County Council's new role as a statutory consultee to the planning system.
2. It is intended to inform the preparation of drainage strategies within development proposals, so that appropriate Sustainable Drainage System (SuDS) techniques are implemented across the county.
3. Drainage Risk Areas (DRAs) are spatial groupings which represent the drainage characteristics of four distinct areas of the county, based on the different ground conditions present, and their ability to drain surface water.
4. Each group profile contains specific standing advice, tailored to the characteristics of the area, which should be used to inform drainage strategies submitted as part of a planning application.
5. As outlined within each of the DRAs, this standing advice is high-level, based on broad mapping and known drainage issues within the county. As such, it does not replace any site-specific assessment needed to develop a robust drainage strategy.
6. A technical note outlining the method used to produce the Drainage Risk Areas can be found in *Section A5. Drainage Risk Areas: a technical note* within the technical appendices.

Drainage Risk Area 1

This is strategic guidance. All development proposals must undertake the necessary site surveys to confirm drainage constraints or opportunities. For further information on drainage strategy requirements, please refer to the East Sussex County Council 'Guide to Sustainable Drainage Systems in East Sussex'.



Groundwater depth (below the ground surface)	High (< 3m)
Infiltration potential	Possible opportunities for bespoke infiltration techniques
Surface water extent (at a 1 in 30 year rainfall event)	Medium to high
Geology	Bedrock: Weald and Gault Clays Surface: Coastal and river sediments
Key constraint for drainage	Impermeable geologies lead to high levels of surface water runoff, and restricted infiltration potential

Table 1: Typical characteristics for Drainage Risk Area 1

Figure 1: Coverage of Drainage Risk Area 1 within East Sussex. Inset: Settlements within Drainage Risk Area 1 which are allocated for potential future development up to 2027-2028. This data is based on the Core Strategies of Local Planning Authority Local Plans.

The area covers the majority of low-lying areas in East Sussex - the Low Weald, Coastal Marshes, and river tributaries of the High Weald. This includes the coastal settlements of Rye, Pevensey Bay and Eastbourne, and rural settings of Ditchling, Northiam and Newick.

Potential or existing drainage issues:

Unknown condition, capacity and location of large sections of ordinary watercourses: In north-east Hailsham and western Rye, considerable surface water flooding is caused by connections and blockages to these poorly understood culverts.

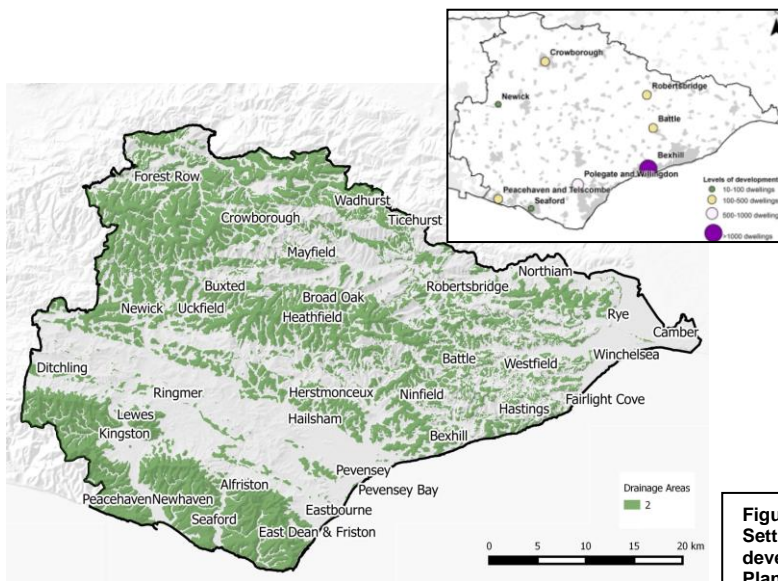
Hydraulic overload of combined sewage systems: Historic town centres, such as Rye and Eastbourne, are underlain by combined surface and foul water sewer systems. Under heavy rainfall, large volumes of surface water can enter the combined system, and cause it to overload, resulting in both foul and surface water flooding.

Implications for proposed drainage:

- i) Infiltration techniques, such as soakaways and infiltration trenches, are likely to be inappropriate in the majority of the Low Weald and Coastal Marshes, due to low permeability and high groundwater levels. However infiltration can be considered where there are pockets of more permeable surface or underlying geologies.
- ii) Attenuation and conveyance techniques, such as swales and detention basins, are likely to be more successful, and should be sensitive to any impact to areas offsite.
- iii) Details of the route and condition of any existing watercourses and drainage networks on the site should be investigated during the drainage design stage.
- iv) The capacity and location of the end destination for surface water leaving the site must be fully understood, particularly if it discharges to a combined sewer system.

Drainage Risk Area 2

This is strategic guidance. All development proposals must undertake the necessary site surveys to confirm drainage constraints or opportunities. For further information on drainage strategy requirements, please refer to the East Sussex County Council 'Guide to Sustainable Drainage Systems in East Sussex'.



Groundwater depth (below the ground surface)	Low (> 5m)
Infiltration potential	Probable to high potential for infiltration
Surface water extent (at a 1 in 30 year rainfall event)	High
Geologies	High Weald: Ashdown and Tunbridge Wells Sandstones South Downs: Seaford, West Melbury, Lewes Nodular, Newhaven and Holywell Chalks (major aquifers)
Key constraint for drainage	Steep relief causes high velocities of surface water runoff, and ponding in low points. Catchments can respond quickly to rainfall

Table 2: Typical characteristics for Drainage Risk Area 2

Figure 2: Coverage of Drainage Risk Area 2 within East Sussex. Inset: Settlements within Drainage Risk Area 2 which are allocated for potential future development up to 2027-2028. This data is based on the Core Strategies of Local Planning Authority Local Plans.

Situated on designated areas of steep relief, the area covers the High Weald AONB to the north and east of the county, and the South Downs National Park in the south west.

Potential or existing drainage issues:

Blockages of drainage assets with fine sediment: The steep slopes of the High Weald (for example, Crowborough, Heathfield) can produce large quantities of loose, fine sediment. This can be transported through the drainage system, leading to sedimentation of watercourses and drainage assets, which under heavy rainfall can fail. The need for regular and frequent maintenance of drainage assets applies to all areas of the county, however is of notable importance in Drainage Risk Area 2.

Localised high levels of runoff from steep topography: In towns which lie on flatter land surrounding the South Downs or High Weald, such as Seaford or Forest Row, large overland flow paths run off the steep topography, through the settlements, and pond in natural depressions, causing localised drainage problems.

Urban development and historical watercourses: In settlements such as Peacehaven and Seaford (and possibly other towns within East Sussex), development has utilised dry valleys, which due to their topography, have an ability to convey significant surface water flow paths.

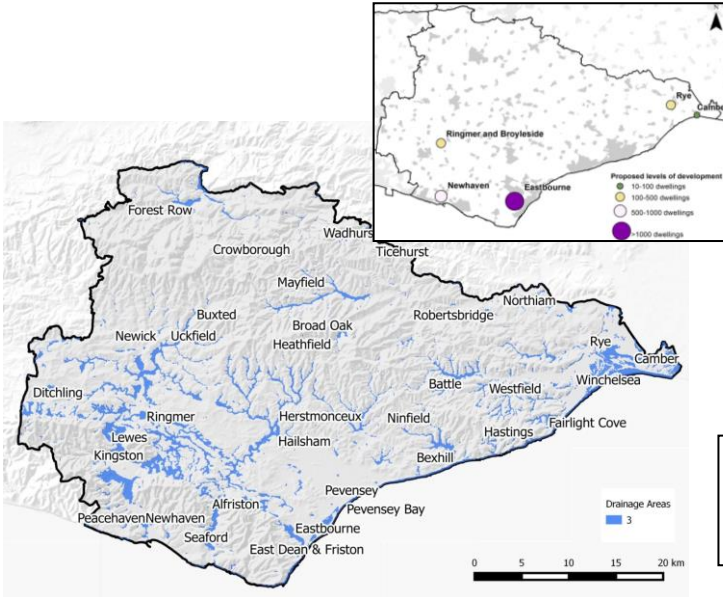
Implications for proposed drainage:

- i) Improvement upon greenfield runoff rates from the site should be discussed with the LLFA, to minimise the downstream surface water flood risk.
- ii) Developments which connect drainage into existing watercourses should be fully aware of the potential effects on the wider catchment.
- iii) In response to the high levels of sediment transport, regular planned maintenance of SuDS structures, particularly in the High Weald, is essential.
- iv) Proposed SuDS techniques in areas of drinking water abstraction (particularly the South Downs) should ensure that the 'treatment train' allows sufficient levels of filtering to the surface water, before it drains through the bedrock.

Drainage Risk Area 3

This is strategic guidance. All development proposals must undertake the necessary site surveys to confirm drainage constraints or opportunities. For further information on drainage strategy requirements, please refer to the East Sussex County Council 'Guide to Sustainable Drainage Systems in East Sussex'.

Characterised by flat, low-lying land, the area



Groundwater depth (below the ground surface)	High (< 3m)
Infiltration potential	Significant constraints for infiltration (although some potential for bespoke techniques)
Surface water extent (at a 1 in 30 year rainfall event)	High
Geologies	Bedrock: Largely clay, with localised chalk. Surface: Alluvium on river floodplains, storm beach deposits and tidal mudflats on coast.
Key constraint for drainage	High water table, particularly at high tide. Areas of existing fluvial/coastal flood risk.

Table 3: Typical characteristics for Drainage Risk Area 3

Figure 3: Coverage of Drainage Risk Area 3 within East Sussex. Inset: Settlements within Drainage Risk Area 3 which are allocated for potential future development up to 2027-2028. This data is based on the Core Strategies of Local Planning Authority Local Plans.

corresponds with the coastal and fluvial flood plains (Eastbourne, Rye and Camber seafronts), as well as settlements on the flood plains of the Rivers Ouse, Cuckmere, and Upper Rother (Ringmer, Alfriston, and Lewes).

Potential or existing drainage issues:

Drainage restrictions at high tide: In coastal towns, there is a tendency for tidally influenced groundwater, to seep into and overwhelm the drainage system at high tide. Similarly, as tidally-influenced watercourses become restricted from draining out into the sea at high tide; river levels rise, which can surcharge the combined sewer and surface water drainages.

Localised high levels of runoff from steep topography: As in the case of Drainage Risk Area 2, ponding occurs on downslope, flatter land. This is an issue in Lewes, Meeching Valley in Newhaven, western Eastbourne and Hastings.

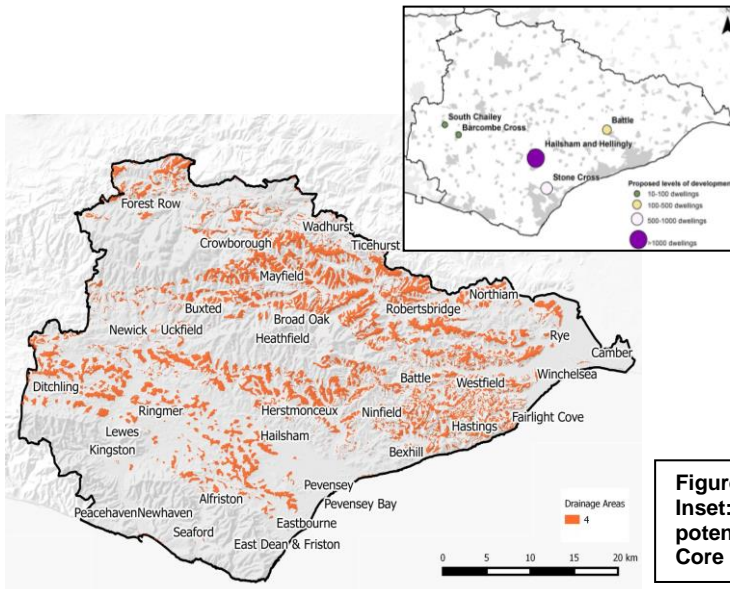
Ephemeral streams or 'Bournes': In West Quay in Newhaven, Winterbourne in Lewes, and Western Eastbourne, groundwater stored in chalk geologies can rise after persistent rain, and accumulate into an informal watercourse at the surface. Whether seasonal or more erratic, these flows can produce a previously unaccounted flood risk. As such, knowledge of local groundwater levels and flow paths is required.

Implications for proposed drainage:

- i) For any proposed infiltration technique, robust evidence must be provided, specifying its suitability in the context of the site.
- ii) Controlling the surface water issue at source is preferable, to make sure that the effects of fluvial and coastal flooding are not made worse.
- iii) Raised surface structures, if used, should be designed to withstand flood damage.
- iv) Due to the existing high flood risk, it is particularly important that attenuation SuDS are designed to remain half-empty 24 hours after a storm event, to accommodate multiple storms.

Drainage Risk Area 4

This is strategic guidance. All development proposals must undertake the necessary site surveys to confirm drainage constraints or opportunities. For further information on drainage strategy requirements, please refer to the East Sussex County Council 'Guide to Sustainable Drainage Systems in East Sussex'.



Groundwater depth (below the ground surface)	Low (< 3m)
Infiltration potential	Opportunities for bespoke infiltration techniques
Surface water extent (at a 1 in 30 year rainfall event)	Low
Geologies	Bedrock: Wadhurst, Weald and Gault Clays Surface: localised sand and gravel deposits
Key constraint for drainage	Impermeable bedrock geology

Table 4: Typical characteristics for Drainage Risk Area 4

Figure 4: Coverage of Drainage Risk Area 4 within East Sussex. Inset: Settlements within Drainage Risk Area 4 which are allocated for potential future development up to 2027-2028. This data is based on the Core Strategies of Local Planning Authority Local Plans.

Covering the lower slopes of the central belt of the county, beyond fluvial and coastal flood plains, Drainage Risk Area 4 marks the transition between hilly terrain and flat river valleys. It includes Battle, much of Hailsham, and the rural villages of Barcombe and Icklesham.

Potential or existing drainage issues:

Interconnected drainage systems:

In smaller towns where more development may take place, the surface water drainage system is often highly integrated, involving highway drainage, surface water sewers and watercourses. Blockage, lack of capacity or poor condition within any one of these drainage systems can result in failure of all three systems.

Rural drainage: Rural towns and villages are often drained by a network of ditches. Although this is adequate for existing dwellings, higher numbers of dwellings are likely to need more formalised surface water drainage systems installed.

Complex surface water drainage pattern: In many towns, including Hailsham and Battle, surface water flow paths can be well established and complex. Previous developments built without regard for these flow paths have significantly increased the surface water flood risk for both new and existing residents.

Implications for proposed drainage:

- i) Due to the extent of clay geologies, any proposed infiltration method should present sensitive, rigorously-tested techniques, and be supported by detailed site testing.
- ii) Control surface water flows as close to source as possible (particularly upstream of major watercourses) to minimise potential surface water flooding impacts downstream and on the wider catchment.
- iii) Make sure that there is sufficient capacity within the existing drainage systems to convey runoff from the site, particularly where the system may serve several drainage purposes.

Detailed sub-area: Hastings

This is strategic guidance. All development proposals must undertake the necessary site surveys to confirm drainage constraints or opportunities. For further information on drainage strategy requirements, please refer to the East Sussex County Council ‘Guide to Sustainable Drainage Systems in East Sussex’.

With a complex combination of geology and topography, which varies significantly over short distances, the borough of Hastings cannot be characterised within a single Drainage Risk Area. Consequently it must be presented on a finer scale.

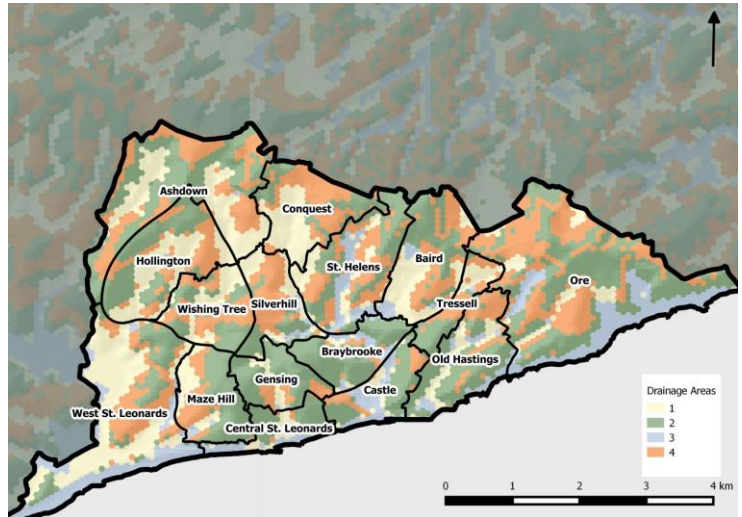


Figure 5: Spatial extent of the four Drainage Risk Areas within Hastings.

Location	Hastings Wards	Geology
North West/West	Conquest, Hollington, Wishing Tree, Silverhill, Ashdown, West St. Leonards	Wadhurst Clay
South	Maze Hill, Gensing, Central St. Leonards, Baybrooke	Tunbridge Wells Sandstone
North East/East	Ore, Old Hastings, Castle, St. Helens, Baird, Tressell	Ashdown Sandstone

Hastings is underlain by the following three geologies (see above) which are heavily faulted and folded, allowing isolated pockets of one geology to sit alongside contrasting geologies. This also presents significant ground stability issues, which limits the use of infiltration SuDS techniques. A more detailed account of the geology and DRAs within Hastings can be found in Section A5 of the technical appendices.

Development of 3,000 dwellings is proposed within Hastings town, whereas low growth of 100 to 500 dwellings is expected in the Hastings fringes.

Potential or Existing Drainage Issues:

Tidal influence: High tides significantly affect drainage within Hastings. Groundwater levels are raised on the coast and restrictions to water discharging to the coast causes backing up of surface water and combined sewer systems. In particular, the Coombe Haven is tidally-influenced between Bulverhythe and Filsham.

Interaction between built structures and surface water flowpaths: Where kerb or wall structures are built across natural surface water flow paths, flows can pond, or be deflected towards more sensitive areas. Also, where the threshold of a property lies below road level, surface water flow paths are able to enter the building or basement.

Groundwater and spring flows: The high water table in coastal gravel beds can be raised further by high tides, causing spring flows and groundwater flooding, particularly in low-lying areas of St. Leonards and Bulverhythe.

Overland flow: Surrounded by the hills, overland flow runs off the steep High Weald slopes at high velocities, and can lead to significant levels of surface water on lower ground. This can be worsened by blockages to drainage assets and groundwater emergence.

The Hollington Stream: This steep, fast-response catchment is particularly sensitive to flooding. Dams and penstocks are in place; however development requires careful management of water throughout the upper catchment.

Combined sewers: A combined sewer system serves the low lying coastal strip. Where large amounts of surface water enter the system, the sewer can exceed its hydraulic capacity and surcharge. Further issues are caused by high tides, which can prevent the effective discharge from outfalls.

Implications for proposed drainage:

Due to complex topography, surface water flow paths, geologies and a tidal influence, proposed drainage strategies should be aware of localised spatial and temporal variability in drainage conditions within Hastings.

- i) Due to existing levels of urbanisation, impermeable areas should be kept to a minimum and the use of permeable paving is strongly recommended.
- ii) In the coastal strip, where groundwater levels may be tidally-influenced, infiltration tests and groundwater monitoring should be undertaken at a both low and high tide, and SuDS should be designed to accommodate these fluctuations.
- iii) In the upper reaches of the Hollington Stream catchment, surface water should be controlled as close to the source as possible. Restriction of the volume and velocity of surface water leaving the site to greenfield runoff rates is particularly important.
- iv) Drainage strategies for developments in the lower reaches of the Hollington Stream catchment will need to account for restrictions in the capacity of existing culverts.
- v) SuDS features should accommodate existing surface water flow paths, and avoid obstruction to flows, particularly in heavily urbanised areas.
- vi) Construction of basements and conversion of existing basements for habitation is not recommended in areas of high groundwater, or which are at a 1 in 30 year surface water flood risk.
- vii) Property threshold levels should be kept higher than the surrounding area, to prevent surface water from being channelled directly into buildings.

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Report to: Lead Cabinet Member for Transport and Environment

Date of meeting: 22 February 2016

By: Director of Communities, Economy and Transport

Title: Results of a public consultation on the principle of introducing a 20mph scheme in Old Malling, Lewes

Purpose: To consider whether further consultation should take place on a draft Traffic Regulation Order required to introduce a 20mph scheme in the Old Malling Area of Lewes, and, subject to the results of the consultation, to introduce the scheme.

RECOMMENDATIONS: The Lead Member is recommended to:

- (1) Agree that consultation should take place on the Traffic Regulation Order required to introduce a 20mph scheme covering Old Malling (the eastern side of the Malling area of Lewes), with any objections being reported to the Planning Committee for consideration; and
 - (2) Agree that, subject to any recommendations made by the Planning Committee, the scheme should be introduced as part of the 2016-17 Capital Programme for Local Transport Improvements.
-

1. Background Information

1.1. In June 2015 a report was presented to the Lead Member for Transport and Environment setting out the recommendations of the February 2015 Planning Committee regarding objections to a draft Traffic Regulation Order (TRO) for a 20mph speed limit in the Malling area of Lewes. The Lead Member agreed that further public consultation should take place on the possible introduction of a 20mph scheme covering the Old Malling (eastern side) area of Lewes. A public consultation exercise has now been carried out in the Old Malling area and this report sets out the results of that consultation. A decision is now needed on whether further consultation should take place on a draft TRO required to introduce a 20mph speed limit scheme in this area and, subject to the results of that consultation, whether the scheme should be introduced.

2. Supporting information

2.1. On 12 June 2015, a report was presented to the Lead Member for Transport and Environment seeking approval to re-consult on the possible introduction of a 20mph scheme in the Old Malling area of Lewes. This was because in February 2015 the Planning Committee upheld objections that were received on an advertised draft TRO which would have enabled a 20mph speed limit to be introduced in the whole Malling area. As the majority of the objections concerned the physical traffic calming proposals in Old Malling Way, it was felt therefore that the Malling area should be split so that a 20mph speed limit scheme in Old Malling (which would only require signing and road markings) could be considered separately from a scheme in New Malling which would still require physical traffic calming measures.

2.2. A consultation has taken place with residents on the eastern side of the Malling area (Old Malling) to gauge support for the principle of introducing a 20mph speed limit scheme in the area. A plan showing the proposed extent of the scheme in the area is included in Appendix 1. In total 499 consultation letters and an accompanying self-completion questionnaire were delivered to properties in the area asking people whether they supported the principle of introducing a 20mph

speed limit in their roads. The self-completion questionnaire was also made available online. A copy of the questionnaire is provided in Appendix 2. The consultation period began on 14 November 2015 and ran for 4 weeks, closing on 13 December 2015.

2.3. In total 153 responses were received, 9 were completed online and 144 were returned by post. This equates to a 31% response rate. Of these, 150 were from individuals with one response from a business. Two respondents did not clarify whether they were replying as a business, community group or as an individual.

2.4 Of the 153 replies, 121 (79%) supported the introduction of a 20mph scheme in the Old Malling area, with 28 (18%) stating they did not support its introduction and 4 (3%) did not know whether they supported it or not. The reasons given by those who did not support the scheme are provided in Appendix 3, with some respondents citing more than one reason. Other comments were made on the proposed 20mph scheme. A copy of a document containing these comments and full copies of all responses received are available in the Members Room.

2.5 If the Lead Member agrees that a TRO should be advertised, consultation would commence in February 2016. We propose that any objections which cannot be resolved will be taken to Planning Committee in May 2016. Subject to the outcome of the Planning Committee, the earliest that the scheme covering the eastern area of Malling could then be implemented would be Autumn 2016.

2.6 It is estimated that the cost of introducing a 20mph scheme in Old Malling would be £10,000 which would come from the County Council's 2016/2017 capital allocation for local transport improvements, which amounts to £2.4m in total. A further report seeking agreement from the Lead Member for Transport and Environment to the allocation of this funding to specific schemes will be presented at the Lead Member meeting in March 2016.

3 Conclusion and Reasons for Recommendations

3.1. In total, 79% of those who responded to the consultation on the introduction of a 20mph scheme in the Old Malling area were in favour of a scheme being introduced. In view of this, it is recommended that the Lead Member agrees that consultation should take place on a Traffic Regulation Order. Subject to the outcome of consideration of any unresolved objections by the Planning Committee, the Lead Member is recommended to agree that the scheme be introduced in Autumn 2016.

RUPERT CLUBB
Director of Communities, Economy and Transport

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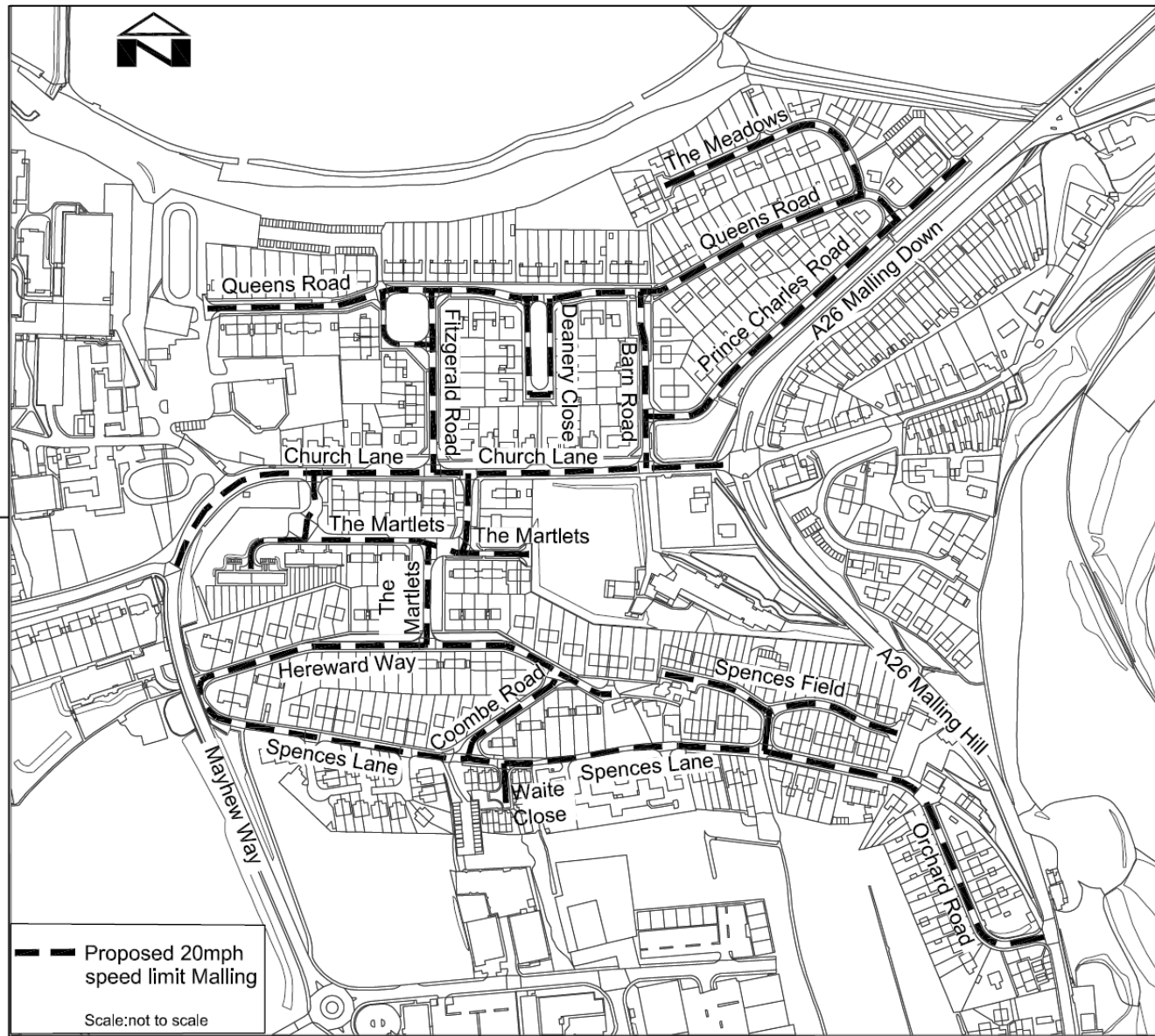
LOCAL MEMBERS

Councillor St. Pierre

BACKGROUND DOCUMENTS

None

Appendix 1 – Proposed extent of the Old Malling Area 20mph Speed Limit



Appendix 2 – Consultation Questionnaire

Old Malling 20 mph Proposals - Your views about our proposals

Please tell us whether or not you support the introduction of a 20mph speed limit on roads in the Old Malling area.

The roads that would be affected are: Barn Road, Church Lane (from A26 Malling Hill/Malling Down to Mayhew Way), Coombe Road, Deanery Close, Fitzgerald Road, Hereward Way, Orchard Road, Prince Charles Road, Queens Road, Spences Field, Spences Lane, The Martlets, The Meadows and Waite Close.

A copy of this survey is available online on our website along with plans of the proposals and background information. Please visit: www.eastsussex.gov.uk/haveyoursay

Please return your completed survey by **Sunday 13 December 2015** using the envelope provided.

If you need this survey in a different format such as large print, Braille or in a different language, please contact us on infrastructure.delivery@eastsussex.gov.uk or telephone 01273 482500.

All responses received will be treated in the strictest confidence. East Sussex County Council will use the collective responses from this survey for research purposes.

Thank you for taking part, your views are important to us.

Q1 To ensure we have a representative view, please tell us if you are answering this questionnaire as an individual or on behalf of a business or other community group...?

- An individual (please go to Q3)
- On behalf of a business (please go to Q2)
- On behalf of a voluntary, community or stakeholder group (please go to Q2)

□

Q2 Which business or voluntary, community or stakeholder group are you responding on behalf of?

Q3 Please provide your full postcode as this is required for analysis purposes. It will not be used to identify you.

Q4 Do you support the proposed introduction of 20mph speed limits on roads in the Old Malling area?

- Yes No Don't know

Appendix 3 – Summary of reasons given for not supporting the introduction of a 20mph scheme in Old Malling.

Reason for not supporting the scheme	Number of respondents	Officer comments
Traffic moves slowly/it is not possible to reach more than 20mph	21	The scheme aims to further reduce average vehicle speeds in order to improve the living environment in this residential area. The scheme will improve conditions for pedestrians and cyclists. Post-implementation speed monitoring on the Lewes Town Centre 20mph scheme showed average vehicles speeds had typically reduced by 1mph. According to DfT's Guide to Setting Local Speed Limits (2013) this scale of reduction in average speed can reduce collision frequency by 6%.
Waste of money/funds would be better spent elsewhere/no need for scheme	14	The scheme was considered as a result of a petition that was presented at the meeting of the County Council in February 2013 calling for a 20mph speed limit in Malling. A public consultation was undertaken on the introduction of a number of schemes in Lewes including a 20mph scheme in Malling in September 2013 where the majority of respondents supported the introduction of the Malling scheme. The Lead Member for Transport and Environment agreed at the December 2013 meeting that the proposals should be taken forward to detailed design and implementation.
20mph limit would not be enforced	6	There is an expectation that 20mph speed limits, implemented in accordance with Department for Transport (DfT) guidelines and suitably signed to encourage compliance, will be largely self-enforcing. The Police do not expect to routinely enforce 20mph speed limits and will only undertake targeted enforcement where necessary and where other measures have failed to achieve the appropriate compliance levels.

Parking is the problem in this area/parking amendments needed	5	The County Council's Parking Team undertakes reviews of parking schemes approximately every 18 months. It is not proposed to undertake any alterations to the current parking controls in Old Malling as part of the 20mph speed limit proposals.
Proposal should not cover whole estate/Only Church Road should be 20mph	4	The scheme aims to reduce vehicle speeds within Old Malling and is in response to a petition for a 20mph limit across the whole Malling area.
20mph limit would be dangerous	2	The aim of the scheme is to lower drivers' speeds which will therefore provide greater opportunity to react to any potential hazards that are presented.
Scheme would increase pollution, travel time and costs	1	The introduction of the new limit may have an impact on air quality but the extent to which it does so will be determined by the extent to which the drivers' behaviour is affected. Traffic travelling at lower speeds will not necessarily result in increased emissions as an overall reduction in speed may improve general traffic flow and reduce emissions from acceleration, deceleration and stop/start. It is anticipated that increases in travel time and costs (if travelling by taxi) would be minimal and may be offset by improved traffic flow.
20mph limit would be inappropriate at night and is therefore an unduly blunt instrument	1	The 20mph limit would be appropriate at night when traffic speeds tend to be higher due to reduced traffic volume.
Proposal does not fit with Key Priorities in ESCC's LTP3	1	The proposal fits with both High Level LTP3 objectives and specific transport objectives in terms of improving safety and quality of life and improving the environment for walking and cycling.
Orchard Road should have left turn only into Malling Hill	1	This suggestion can be considered separately to the proposal for 20mph speed limits.

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