

**Summary document for the Local Flood Risk Management Strategy....**

- The widespread flooding experienced across Dorset in recent years demonstrates the devastating effects that flooding has on people and their homes and communities.

- As a Lead Local Flood Authority, Dorset County Council's Flood Risk Management team has a duty to produce and maintain a Local Flood Risk Management Strategy. The Strategy sets out Dorset County Council's vision of:

***'working together to manage local flood risk in Dorset so communities are resilient and prepared for flooding'***

- Dorset County Council's Local Flood Risk Management Strategy is available in two formats: Technical Report (this document) and a summary document.

- Public consultation on the Draft Local Flood Risk Management Strategy took place between the 26th June and 4th August 2014.

- Comments and feedback from the consultation have been considered and modifications have been implemented into the document where appropriate.

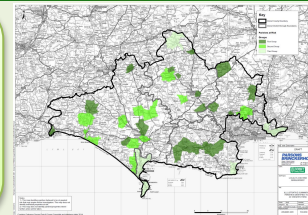
**Report property flooding.....**



<https://apps.geowessex.com/swim/>

**Objective 1: Understand flood risk across Dorset**

*...an understanding of what floods and where the water came from is essential to help manage the risk. Reporting flood.*



**Objective 2: Manage the likelihood and impacts of flooding**

*...once the flood risk is understood appropriate flood alleviation measures can be considered and implemented.*



**Objective 3: Help Dorset's communities manage their own flood risk**

*... recent flooding has demonstrated the value of a community flood plan and flood warden(s) in reducing the impact of flooding.*



**Objective 4: Ensure flood risk is considered in local land development proposals**

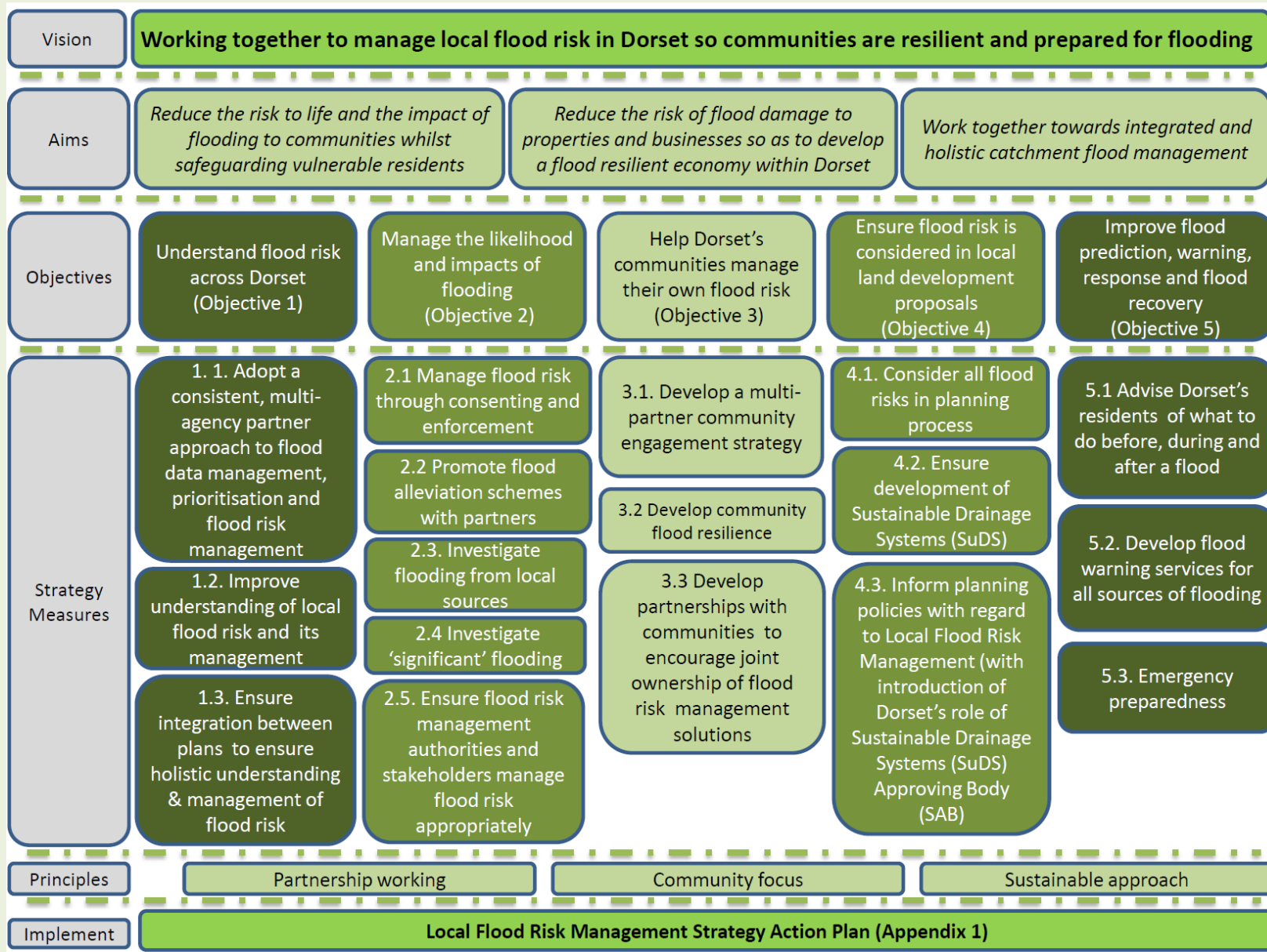
*...introduction of the Sustainable Drainage System Approving Board will ensure future new developments manage surface water.*



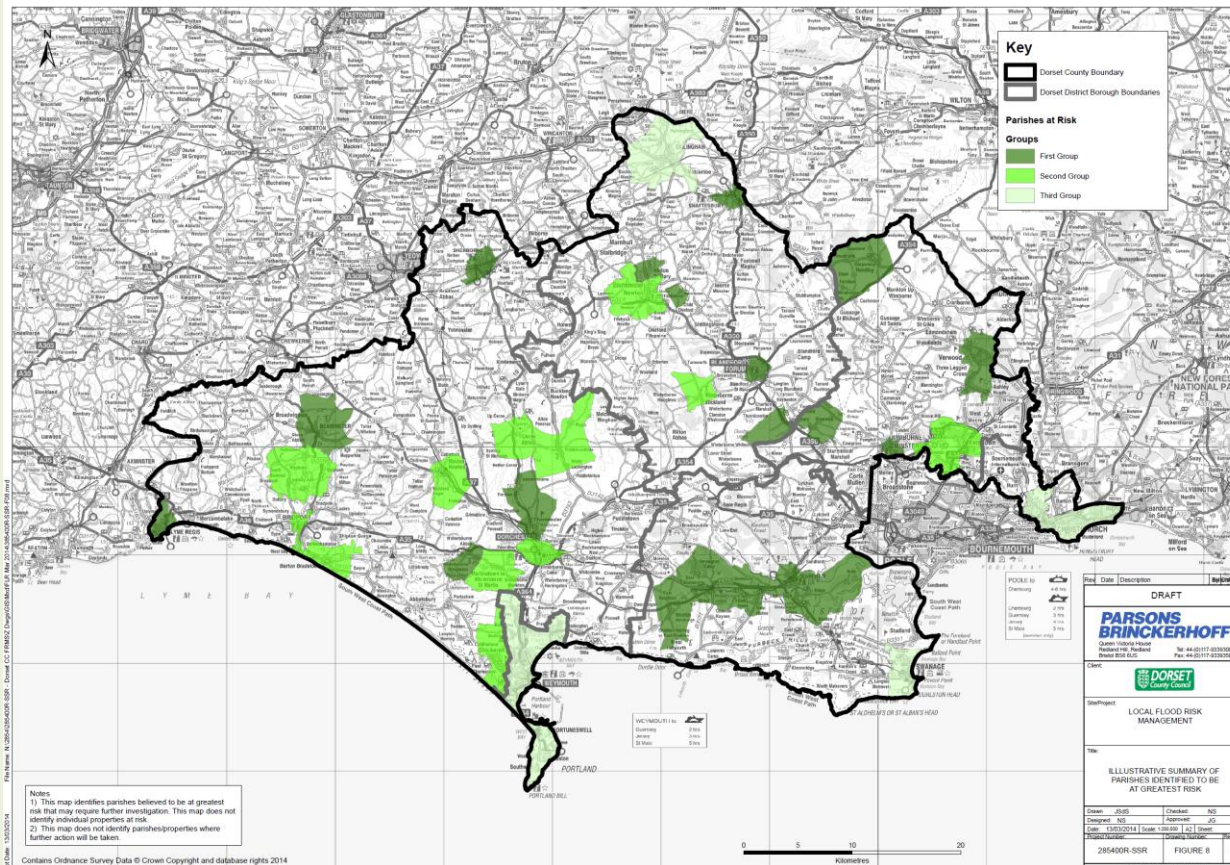
**Objective 5: Improve flood prediction, warning, response and flood recovery**

*... understanding the flood risk enables warnings to be developed, an understanding of areas that may flood and response and recovery to be planned by all.*









## Priority locations for Flood Risk Management in Dorset

The Local Flood Risk Management Strategy considered flood risk across all communities in Dorset to identify areas at highest risk of flooding, which are highlighted in green on the above map. The prioritisation considered the following factors:

- (i) Number of flood records;
- (ii) Frequency of flooding; and
- (iii) Risk of flooding from surface water.

Reporting flooding in your community is essential to help us understand flood risk and prioritise our flood risk management activities.

Please report flooding online at the following location: <https://apps.geowessex.com/swim/>



Dorset County Council

Dorset County Council's Lead Local Flood Authority (Flood Risk Management team) is responsible for the investigation of flooding from groundwater, surface water and ordinary watercourses with support from Local Authorities



ENVIRONMENT AGENCY

The Environment Agency's Flood and Coastal Risk Management team are responsible for flooding from Main Rivers and the Sea.



### Ground water

Flooding is caused where water levels in the rock and soil are high enough to appear near to or above the ground surface



### Surface water

Rainfall that has been intercepted by the ground or roofs but has not yet entered a natural watercourse / urban runoff



### Ordinary watercourse

River, stream, ditch, drain, cut, culvert, dike or sluice through which water flows, not designated Main River, highways drainage, surface water sewer



### Main River

When a river or stream cannot cope with the water draining from surrounding land causing the water to go on to the floodplain



### Coast

Occurs when there are high tides and stormy conditions that cause higher than normal sea levels



Safe roads, reliable journeys, informed travellers

The Highways Agency are responsible highway drainage of trunk roads



Dorset County Council

Dorset County Council's Highways team are responsible for local road drainage



a YTL company

Wessex Water are responsible for flooding from public sewers



### Trunk Roads

Flooding on the A35, A31 and A303



### Local Roads

Flooding on local roads in Dorset that are not classed as trunk roads



### Public Sewers

Flooding /overflowing combined foul / surface water sewers

Measure	Action
1.1. Adopt a consistent, multi-agency partner approach to flood data management, prioritisation and flood risk management	Ensure that Flood Risk Management Authorities (FRMA's) and stakeholders have a good understanding of the different sources of flooding – main river, ordinary water course, sewer, surface water, reservoir and groundwater etc.
	Develop and implement a single multi-agency partner approach to collection and sharing of flood data during and after flooding and agree protocols across FRMAs. Embed processes and procedures for flood investigation including: Online reporting facility, online status reports, investigation criteria and timescales.
	Develop and implement an automated prioritisation methodology to be used to assist flood response recovery and long term flood risk management.
	Share progress, best practice, understanding of flood risks and consider joint working opportunities with FRMAs.
1.2. Improve understanding of local flood risk and its management	Develop Surface Water Management Plans for communities in Dorset identified with greatest flood risk from local sources on an economical and needs basis.
	Promote the importance of reporting flood incidents by using the online flood report form on the Dorset for you website.
	Create an Asset Register of structures and features that could impact on flood risk.
	Review the reliability of the new Surface Water Flood Map to ascertain if additional modelling is required to consider surface water response on saturated catchments.
	Develop work with Natural Hazards Partnership and Local Authorities to identify areas where slope stability issues could present a risk
1.3. Ensure integration between plans to ensure holistic understanding & management of flood risk	Ensure actions relating to local flood risk are considered and adopted by the Lead Local Flood Authority (LLFA) where relevant as contained within the following Catchment Flood Management Plans: Hampshire Avon, Dorset Stour, Frome and Piddle, West Dorset.
	Work with the EA to develop River Basin Management Plans for Dorset to ensure appropriate actions regarding management of local flood risk.
	Complete strategic assessments of flood risk on a local planning authority scale
	Undertake a strategic Surface Water Management Plan to identify sites of significant flood risk in Dorset.
	Produce Preliminary Flood Risk Assessment to highlight strategic sites at significant risk of flooding to comply with Flood Risk Regulations (2009).



Measure	Action
2.1 Manage flood risk through consenting and enforcement	Undertake consenting activities for Ordinary watercourses.
	Carry out regulatory role on Ordinary watercourses.
2.2 Promote flood alleviation schemes with partners	Bid for financial support from DEFRA and EA for community / local innovative flood risk management solutions.
	Investigate requirement options for installation of property level protection measures.
	On a prioritised basis, conduct drainage improvements following recommendations from investigations / surface water management plans if funding is available.
	Consider potential environmental impacts of all local flood risk management activities and mitigate flood risks where appropriate.
2.3. Investigate flooding from local sources	Use the Asset register to ensure that flood risk management assets are properly managed and where appropriate improved to provide/sustain the appropriate level of protection.
	Adopt a risk based approach to investigate highest priority flooding from local sources.
2.4 Investigate 'significant' flooding	Investigate and ensure reports on 'significant flooding incidents' are published to identify relevant flood risk management authorities and outline potential solutions to improve or resolve the situation.
2.5. Ensure flood risk management authorities & stakeholders manage flood risk appropriately	Highways Authority and Dorset County Council Highways to regularly inspect and maintain highways assets, respond to incidents, deliver works to protect the highway and adjacent properties from flooding for design events.
	Work with Natural England & Environment Agency to engage with landowners to engage with landowners to advise on and encourage catchment sensitive farming methods to reduce runoff

Measure	Action
3.1. Develop a multi-partner community engagement strategy	Work with the Environment Agency to develop a prioritised multi-agency approach to community engagement regarding flood risk management. Share record of engagement activities within SWIM.
3.2 Develop Flood Warden / Flood Action Group network and develop community flood resilience plans	<p>Investigate and consider options for DCC / Civil Contingencies Unit to work together with the EA's flood warden network.</p> <p>Work with communities and individuals to develop and exercise flood plans that outline:</p> <ul style="list-style-type: none"> <li>- flood risk within the community</li> <li>- flood risk to individual properties</li> <li>- a plan of actions that may reduce or mitigate the risk</li> <li>- actions and information required to support flood recovery</li> <li>- how communities can prepare for climate change.</li> </ul> <p>Promote the importance to communities of reporting flood incidents by using the online flood report form on the Dorset for you website.</p> <p>Ensure all properties that receive Property Level Protection develop an individual flood plan.</p> <p>Distribute the Environment Agency's publication 'Living on the Edge' to provide information to those living near watercourses that have a responsibility for on going maintenance.</p> <p>Ensure the Dorset for You website flood pages contain relevant flood information and links to other sources that communities and individuals may require.</p>
3.3 Develop partnerships with communities to encourage joint ownership of flood risk management solutions	<p>Promote partnership funding of flood alleviation measures within communities (according to DEFRA's partnership funding model)</p> <p>Support individuals and communities with advice on solutions &amp; applications for funding.</p>

Measure	Action
4.1. Consider all flood risks in planning process	Use information from Surface Water Management Plans to inform planning decisions.
	Use flood map for surface water to inform planning decisions.
	Consider groundwater flood risk mapping in planning decisions.
	Influence local plan policy to consider local flood risk when allocating development (following introduction of the Sustainable Drainage System (SuDS) Approval Body (SAB)
	Use flood risk assessments and policies to steer growth to suitable areas (following introduction of the SAB).
	Ensure that the development does not increase the risk of flooding elsewhere when determining planning applications (following introduction of the SAB).
4.2. Ensure development of sustainable drainage systems	Set up Sustainable Approval Body's within the Flood Risk Management team.
	Sustainable Approval Body to approve, adopt and maintain new Sustainable Drainage Systems.
4.3. Inform planning policies with regard to Local Flood Risk Management (with introduction of SAB	Ensure Local Planning Authorities are aware of the objectives of the Local Flood Risk Management Strategy that relate to planning policies.
	Update local development frameworks to take account of the relevant information from the Local Flood Risk Management Strategy



Measure	Action
5.1 Advise Dorset's residents of what to do before, during and after a flood	Refer to measure 3.2 - work with communities to develop community flood plans
	Update and improve the Dorset for you flooding web pages ( <a href="https://www.dorsetforyou.com/flooding">https://www.dorsetforyou.com/flooding</a> ) with links to useful information relating to flood prediction, warning and recovery
5.2. Develop flood warning services for all sources of flooding	Ensure communities that are at high risk from surface water flooding register to receive Met Office Severe Weather Warnings to provide advance notice of heavy rainfall
	Extend the flood warning service to include groundwater flood warnings developed from intelligence gathered from the 2012 - 2014 flooding
	Investigate options to develop surface water flood warnings in conjunction with the EA for communities at highest risk.
	Investigate innovative warning solutions for local sources of flooding for communities at highest risk where traditional warning services are not appropriate.
	Adopt the Environment Agency's Extended Floodline Direct service to provide Floodline operatives with answers to Dorset specific flooding questions.
5.3. Emergency preparedness	Review the Multi-Agency Flood plan following significant flooding
	Communicate findings from detailed surface water management plans to the Bournemouth, Dorset and Poole Local Resilience Forum.
	Update recovery contingency plans in case the local area is impacted by flooding (including business and economic recovery).
	Outline how recovery process should work in conjunction with all Flood Risk Management Authorities to facilitate data sharing and streamlined collaborative flood recovery involving all appropriate partners and clear transition between response and recovery.

- **To Report Flooding:**
  - Report Property Flooding:
    - <https://apps.geowessex.com/swim/>
  - Report Road Flooding:
    - <https://www.dorsetforyou.com/travel-dorset/roads-and-driving/report-a-road-problem>
  - Report Sewerage Flooding:
    - 0345 850 5959
- **For advice on what to do before, during and after flooding:**
  - Floodline: **0345 9881188**
  - National Flood Forum: <http://www.nationalfloodforum.org.uk/>
- **To help build your community's resilience to flooding:**
- Set up a flood group or volunteer as a flood warden for your community
  - for more details please email: [floodriskmanagement@dorsetcc.gov.uk](mailto:floodriskmanagement@dorsetcc.gov.uk)