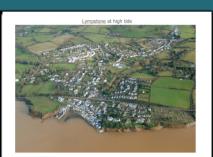
Our Location



Our Resources



What is the flood risk in Lympstone ?

What is the flood risk in Lympstone.2

The panels of this presentation will explain the detail, but as a starting point we might say that the Village is well protected, and has resources to address many everylary risks from rainfall and tide, but is much less so against an of current climate effects of more frequent extreme weather such as very localised international contractions and the such as very localised international contractions and the such as very localised international contractions and the such as very localised international contractions. A management is contracted in the such as the such as the such as the such as a such as a long to event, the likelihood of which is increasing with time.

What is the history of flooding in Lympstone.2

What is the history of flooding in Lympstone.2

The Village has a long history of flood event from a combination of surface water, fluval and tidal influences. Major floods event from a combination of surface water, fluval and tidal influences. Major flood event from a combination of surface water, fluval and tidal influences. Major flood event from a combination of surface water, fluval and tidal influences in the surface of the contraction of the first flood defence scheme in 1953. This reduced the risk of widespread flooding nous better flood provided in the surface of the contraction of the first flooding has all locations for the long of the surface of the contraction of the first flooding has all locations for the long of the surface of the su

The flood defences built in the 1960s included floodwalls, raised banks, trash barriers and large drains.

In 2005 the Estuary defences were strengthened with tidal floodgates, walls and banks, and in 2015 parts of these defences were rebuilt and the breakwater strengthened. These have been largely successful in protecting Lympstone from flooding for over 50 years.

Why does our Lower Village situation constitute a flood <u>risk?</u>

The Wotton Brook catchment is very steep sided and inclined to high rainfall run off with an area of about 4.2 Km². The Brook flows down through Lymmstone, Joined by two tributaries discharging into the Exe Estuary, one of these, <u>Harefield</u> Stream, which joins by Pretty Cognic is particularly sensitive.

The predominant soil type is a clayey loam, which has naturally low water permeability.

The subsoil is also only slowly permeable with low potential to accept winter rain. This soil type has a high risk of soil compaction, erosion and surface water runoff.

The Lower Village, tides and tidal locking

If the waters in Wotton Brook from the catchment could always freely discharge into the Estuary the flood risk would be very low with the walled channel directing the flows and the floodplain holding excess. However, the waters cannot exit freely against a high tide and surface waters in a number of areas cannot drain into a full walled channel.

What is the Village response to these challenges?

The Lympstone Flood Resilience Group (LFRG) is a voluntary working group of the Lympstone Braith Council, that engages positively with our local community and relevant Flood Risk Management Authorities. Since our formation in 2017 our objective has been to develop a more responsive, coordinated and strategic approach to flood risk management in the Village. We have received funds, grants and resilience resources from Lympstone Parish Council, The Environment Agency, our Deven County Councilors, The Parishes Together Fund (DCC and EDDC) and the Devon Community Resilience Forum.

Our team of four is: Alan Burton, Helen <u>Dimond</u>, John Brewer and Phil <u>Corcos</u>. Our volunteer teams of Flood Wardens monitor the brook and high tides in the <u>Estuary operate</u> the <u>floodgates</u>, and clear road drains. We provide first response cover in flood incidents.

2017 LFRG formed
 SWW storage tank installed in car park
 Culvert at Pretty Corner relined
 First Response Sandbag store

2006 Estuary Flood Gates installed. Estuary Flood Warden team formed
 First Emergency Plan
 2010 Lympstone Flood Exhibitionn

2015 Estuary defences strengthened
 Neighbourhood Plan identifies flooding as major issue
 2016 Flood Awareness Meeting

2018 Tool and Equipment Store provided
 Chapel Road pump installed
 Flood Road wall at Underhill rebuilt

2024/5 Wotton Brook floor channel wall extended

2021 Mobile Pump purchased
 Longbrook Lane brook flow
gauge installed
 Weather Station installed

2022 Catchment hydraulic model completed (EA/JBA)



How are we prepared?

Our Flood Warden teams are fully trained and undertake practical, hands-safety and skills training provided in partnership with the Environment Agency. Personal Protective Equipment is provided to all Wardens. High visibility waterproof jocksto and rousers are own during any flood incident or Warden activity, and 2 way radio communication is used when necessary.

The Johand Rood risk may be caused by an exercisoping with extreme selection of the control product of the prod The Inland flood risk may be caused by an

There are two teams of fully trained Flood
Wardens. The Inland Team focused on Wotton
as blocked drains, and the Estuary Team who
operate the floodgates and monitor the defences.
The teams work in unison when responding to a

These three big display boards tell different aspects of <u>Lympstone's</u> Flood Risk and are produced by the <u>Lympstone</u> Flood Resilience Group.

Below is a map of our catchment, any rainfall in that area will route down Wotton Brook through the Village to the Exe.

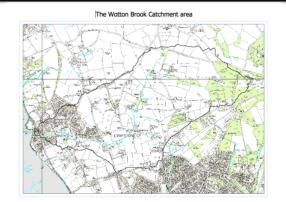
WELCOME

This board describes our Flood Group and Flood Wardens our preparedness and response capabilities, and covers in general terms the flood risk with some historical perspective

The next board describes the comprehensive computer <u>modelling work which</u> has formed the core of our strategic work to identify further flood resilience improvement

The third board looks in more detail at the specific risks to the Village and how we are

Our partners have further displays. Find out there about the recent East Devon major floods, how to protect your own property, the fantastic work of the Woodland Trust, and have a say with the West Country Rivers Trust in how further resilience investment should be prioritised.





How do the teams operate?

Both teams regularly inspect, all flood assets and maintain response equipment including sand, sandbags and tools. We prepare for the inland flood risk by monitoring the Brook conditions, the read drains, and the undergrowth close to any flood hotspots or disches. Scheduled activities include waiking the footpaths beside Wotton Brook, monitoring the condition of the property of the property of the condition of the property of

Where are the hotspots?

We have identified locations that will have a high probability of surface water flooding in the event of major rainfall, blocked drains, or poor drainage infrastructure. These flood hotspots are shown on the map on this board. In the event of a flooding risk the Warden Team will be particularly focused on these hotspots, the drains in these areas also receive regular attention for routine clearing and maintenance.



How do the Flood Wardens respond to threats?

The Estuary Team promptly operate the floodgates to protect against the higher tide series each year. On average we close then reopen the gates around fourteen times a year with a typical closed duration of three days. The opening and closure is informed by the EA, very often entirely driven by their detailed data and analysis of conditions, but in more complex situations a_dislogue_is_initiated_by_us, with the EA, to predict the risk to the Village more specifically.

The Flood Warrien teams respond to a potential flood situation according to routine operational procedures and logs of actions are maintained. We respond to advisory information from the Flood Foresesting Centre, Meteorological suppliers, and Environment Agency flood warnings. Prior to, or at the time of a flood incident, Flood Wardiens, Willie, contacted, by the, Lead Marken, who, clearly states the level of, alert. The detailed response plan has specific actions within refer the expected severity of the event such as categorized by the Flood Alert, Flood Warning and Severe Flood Warning system of alerts.

Flood Wardens will aim to assist and protect residents as a priority, and safeguard property where possible. In a major event, they will assist the Emergency Services Coordinator, where for example we may need to be prepared to help with evacuation of residents to shelter at the Village Hall



ONSPOT SURVEYS