

# Flood Risk Management and Drainage

Scrutiny Committee, 13 March 2025



OFFICIAL



# We will cover ...

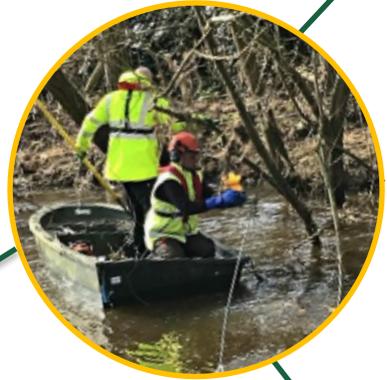
1. Introductions
2. Context: Flood risk management and drainage in Cheshire East
3. Update since March 2024
4. What we're planning for 2025-6

Open

Fair

Green

# Context: A growing problem



Recurrent Issues

- Old drainage infrastructure
- Significant 3rd party / riparian issues
- Run-off from fields
- Issues from developments

Climate Change

- More storm events
- More frequent excessive rainfall and summer floods
- Milder, wetter winters
- Instances of heavy snowfall & meltwater

Critical Mass for Funding

- Large number of small hotspots
- Difficult to provide benefits for large numbers of people

Where is the Funding?

- FDGiA?
- Local Levy – RFCC?
- SuDS for Schools?
- Natural Flood Management?
- Quick Win bids

Increasing development

- NPPF suggests Planning Apps in CE could rise to around 2,600 pa (160% increase)
- Additional strain on existing infrastructure and resources

# Since March 2024

## Weather events

### Named storms

- 11 in last storm season (Sept 23/24)
- Significantly increased rainfall outside storm events

### Flooding investigations

- More than 50 instances of property flooding

### s19 formal investigation reports

- 3 instances triggered

## Operational services

### Gully cleansing

- 33,376 cleaned to end Jan 25

### Intensive works

- 97 dig-ups completed

### Applications

- 445 Planning applications
- 27 Land Drainage Consent applications

## Capital scheme delivery

### Number of significant schemes completed and ongoing:

- Moss Lane, Styal
- Station Road, Wrenbury
- Ryle Street, Macclesfield
- Crewe Road, Shavington

Open

Fair

Green



## A555 Manchester Airport Relief Road

- Crosses CE, Stockport and Manchester City Council areas
- Opened 1995, extension 2018
- Stockport oversaw design and build of extension

### January 2025

- Flooded at B5358 underpass
- Pumping station functioning
- Flooding also experienced in MCC and

SMBC areas

- Winter conditions hampered re-opening of road

### Future actions

- Investigating increasing pumping station capacity
- Discuss design issues with Stockport

## A34 Melrose Way and Fulshaw Park South

Related to heavy rainfall experienced in the South Manchester area

### January 2025

- Melrose Way: Obstruction in drainage ditch and pumping station failure
- Fulshaw Park South: Triggered S19 report. Various contributory factors.

### Future actions

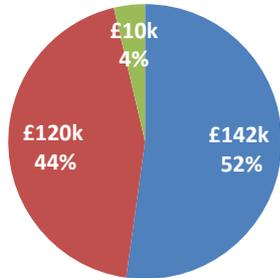
- Melrose Way: Cyclical cleansing of ditch to be reviewed
- Fulshaw Park South: Riparian owners to clear Whitehall Brook and implement of S19 recommendations



# External Funding Opportunities

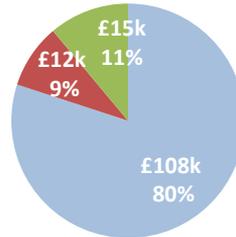
## Ryle Street, Macclesfield

- FDGiA (EA)
- Local Levy (RFCC)
- CEC Contribution



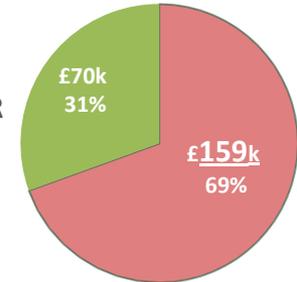
## LINDOW COMMUNITY SCHOOL, WILMSLOW

- FDGiA (EA)
- Local Levy (RFCC)
- CEC Contribution



## PARK LANE, MACCLESFIELD

- Local Levy (RFCC)
- CEC Contribution



*(Bid withdrawn)*

## A51, CALVELEY

- Quick Win (EA)



## LINLEY LANE, ALSAGER

- Section 106



### Funding sources:

EA – Environment Agency  
 FDGiA – Flood Defence Grant in Aid  
 RFCC – Regional Flood & Coastal Committee  
 CEC – Cheshire East Council

Open

Fair

Green

# Our plans for 2025-6



## Funding

- Drainage, Flood Risk and Pumping Stations:
  - Revenue: £2.29m (+19%)
  - Capital: £2.86m (+30%)
- External Funding Opportunities



## Strategy / Review

- Revised Local Flood Risk Management Strategy
- S19 Reports to be published
- Promoting Sustainable Drainage Systems with developers



## Systems

- Introduction of Map16:
  - Managing drainage assets
  - More flexible and better data than existing system
- Considering StormChain: Managing storm event response



## Delivery

- Improved volume and efficiency of gully cleansing
- Focus on key routes and urban areas
- Deliver / complete our important capital schemes

Open

Fair

Green

# Appendices



OFFICIAL



# Strategic Framework and Legislation

## Local Flood Risk Management Strategy

- Published in 2017
- Currently under review for 2025

### Objectives:

1. Set out responsibilities for flooding
2. Assess the risks of flooding
3. Reduce flood risk and adverse consequences
4. Develop actions and interventions to reduce flood risk
5. Manage flood risk sustainably

*Land Drainage Act 1991 and Flood and Water Management Act 2010*

## Drainage Strategy

- Duty to maintain highway infrastructure as safe and available

### Approach:

- Risk-based approach
- Targeted cleansing programme:
  - Higher risk areas / more likely to flood = higher frequency
  - Lower risk areas have reduced or reactive frequency.

*Highways Act 1980*

Open

Fair

Green

# Functions

## Drainage

- **Routine:** Cleaning of gullies, drainage structures
- **Reactive:** Unblocking gullies, removing surface water
- **Proactive:** Drainage schemes to increase capacity

## Lead Local Flood Authority

- **Flood infrastructure management:** Deliver works to manage flood risk
- **Multi-agency:** Coordination with risk management authorities
- **Planning consultee:** Consulted on planning applications for surface water drainage / SuDS

Open

Fair

Green

# Our High-Risk Areas

- High risk areas are outlined in the Local Flood Risk Management Strategy (LFRMS)
- 2017 LFRMS detailed 25,900 residential properties in areas at risk of surface water flooding in Cheshire East. New NaFRA2 data suggests 28,172 an increase of ~8.5%.
- 2017 LFRMS detailed 1,160 residential properties in areas at risk of fluvial flooding (rivers) in Cheshire East. New NaFRA2 data suggests 4,586 an increase of ~300%.

*NB: NaFRA2 provides significantly improved flood risk mapping thanks to; much better data, improved modelling methodologies, improved property and infrastructure assessments, and incorporated climate change projections*

Open

Fair

Green