



**Project Groundwater**

Are you flood resilient?

# Project Groundwater – Overview

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Environment  
Agency



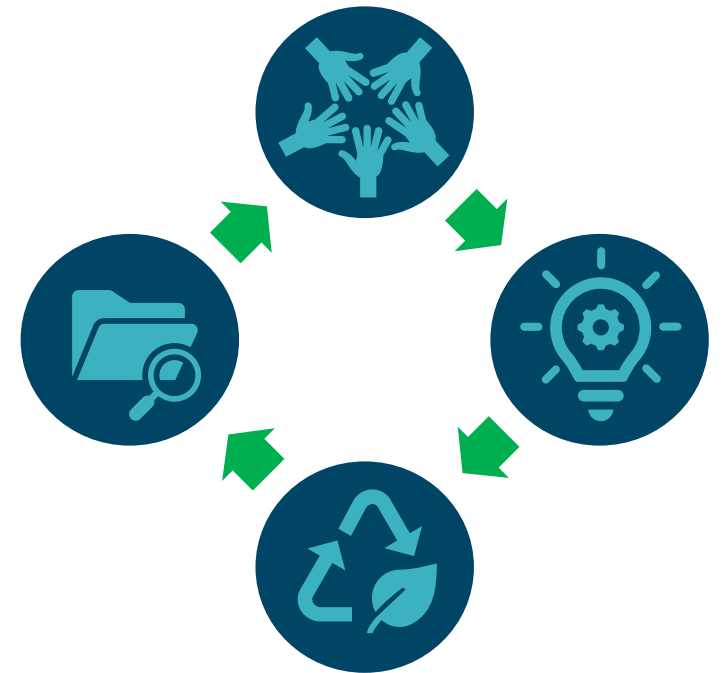
Department  
for Environment  
Food & Rural Affairs



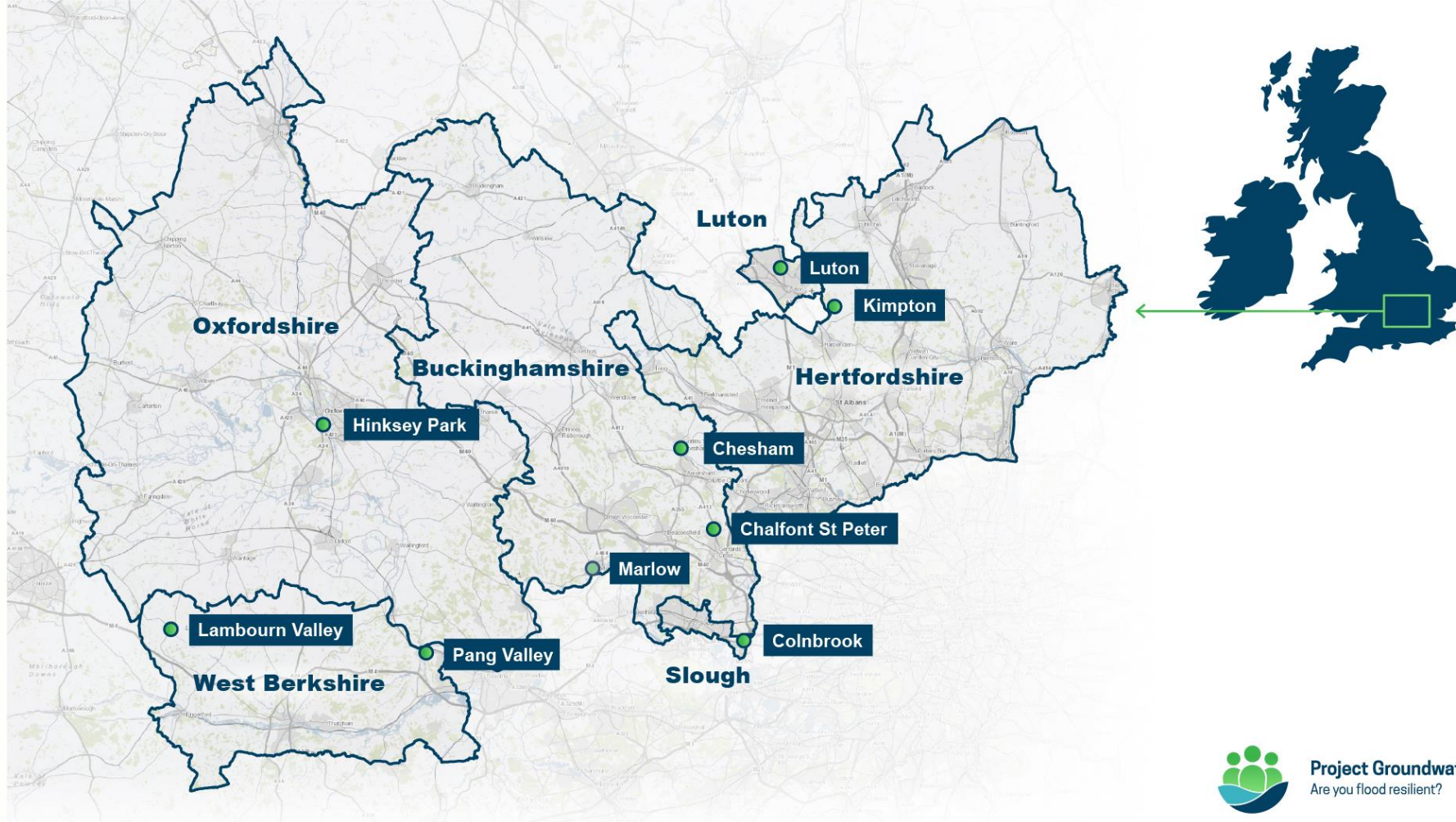
## Our vision

Project Groundwater will forever transform how communities prepare and respond to groundwater flooding

## Our values



# Our Pilot Communities

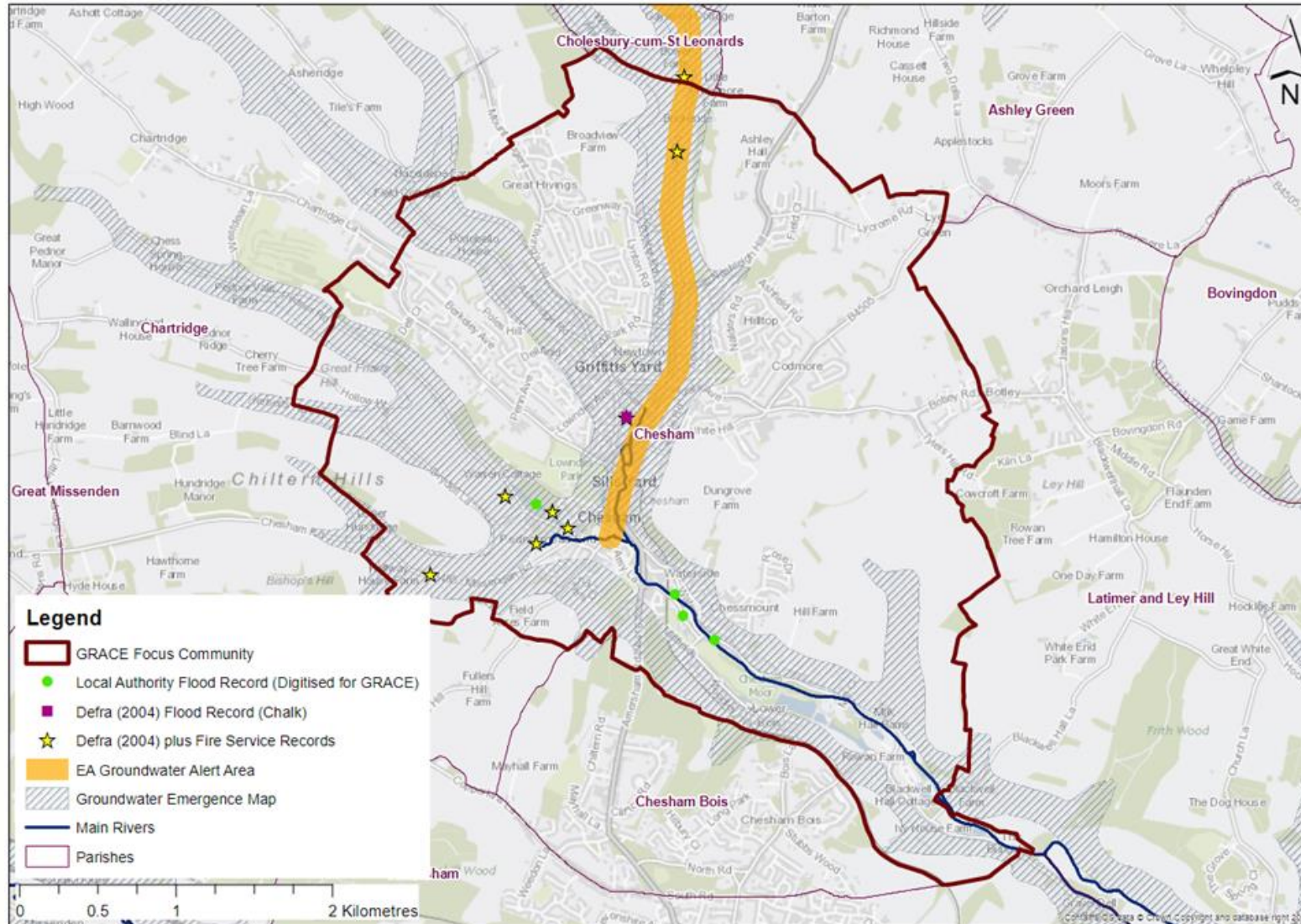


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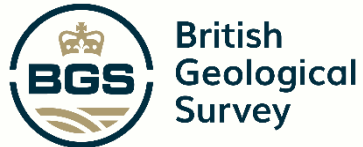
# Our Pilot Communities - Criteria

Focus Community	LLFA	Geology	Community setting	Records of past groundwater flooding	Prediction of groundwater flooding (GEMs)	EA Flood Alert Area	Existing Flood Group
Lambourn	West Berkshire	Chalk	Larger rural	Moderate	High	Yes	Yes
Pang	West Berkshire	Chalk	Larger rural	High	High	Yes	Yes
New Hinksey	Oxfordshire	PSD	Smaller urban	Moderate	Low	No	Not known
Marlow	Buckinghamshire	Chalk/PSD	Medium urban	Moderate	High	No	Not known
Chesham	Buckinghamshire	Chalk	Medium urban	High	High	Yes	Yes
Chalfont St Peter	Buckinghamshire	Chalk	Smaller urban	Moderate	Moderate	No	Not known
Colnbrook with Poyle	Slough	PSD	Smaller urban	Moderate	High	No	Yes
Kimpton	Hertfordshire	Chalk	Larger rural	Moderate	High	Yes	Not known
Luton	Luton	Chalk/PSD	Larger urban	Moderate	Moderate	No	Not known

# Chesham Project Boundary Map



# Partner Organisations



# How we can work together



Sharing understanding of groundwater flood risk for modelling and mapping

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Sharing enhanced monitoring data including gully sensor trials

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Helping us design and build a new groundwater flood alert system

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Potentially trialling new Property Flood Resilience (PFR) measures

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Trialling Natural Flood Management (NFM) techniques

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Working with our academic partner's research programme



# Community Readiness Survey Results

22 Respondents

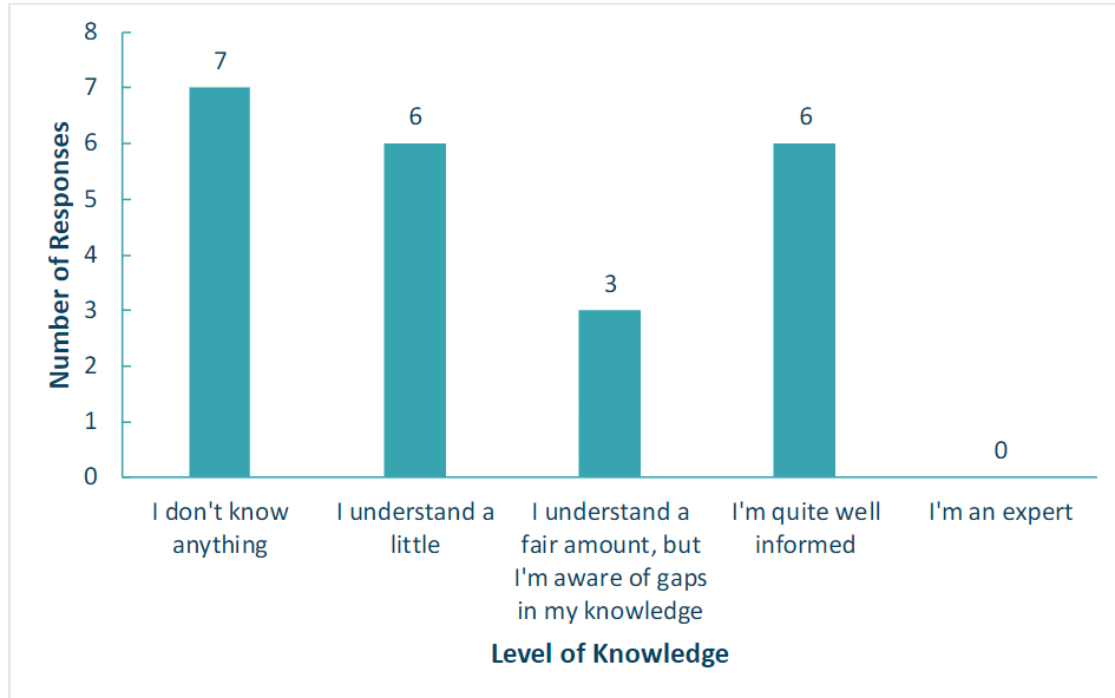


Fig. 1 - Perceived level of knowledge by respondents from Chesham about local flood mechanisms and risk



Fig. 2 - Respondents' level of concern relating to flooding locally in Chesham



# Community Readiness Survey Results Continued

22 Respondents

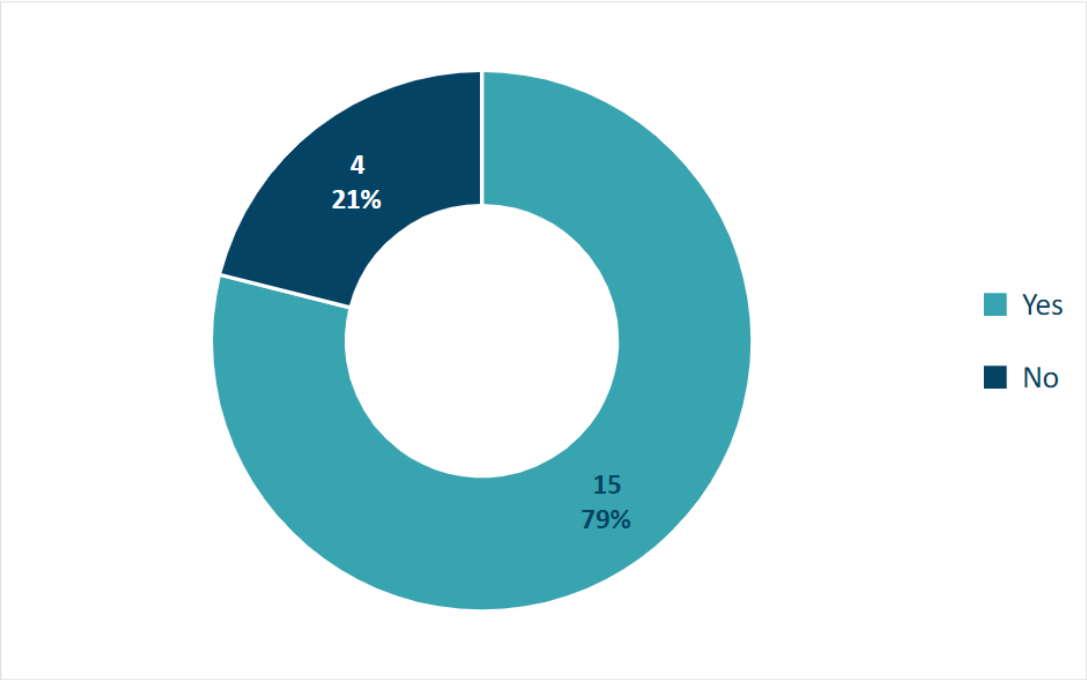


Fig. 3 – Respondents' opinion as to whether additional actions or initiatives are needed to reduce, manage or adapt to flooding in Chesham

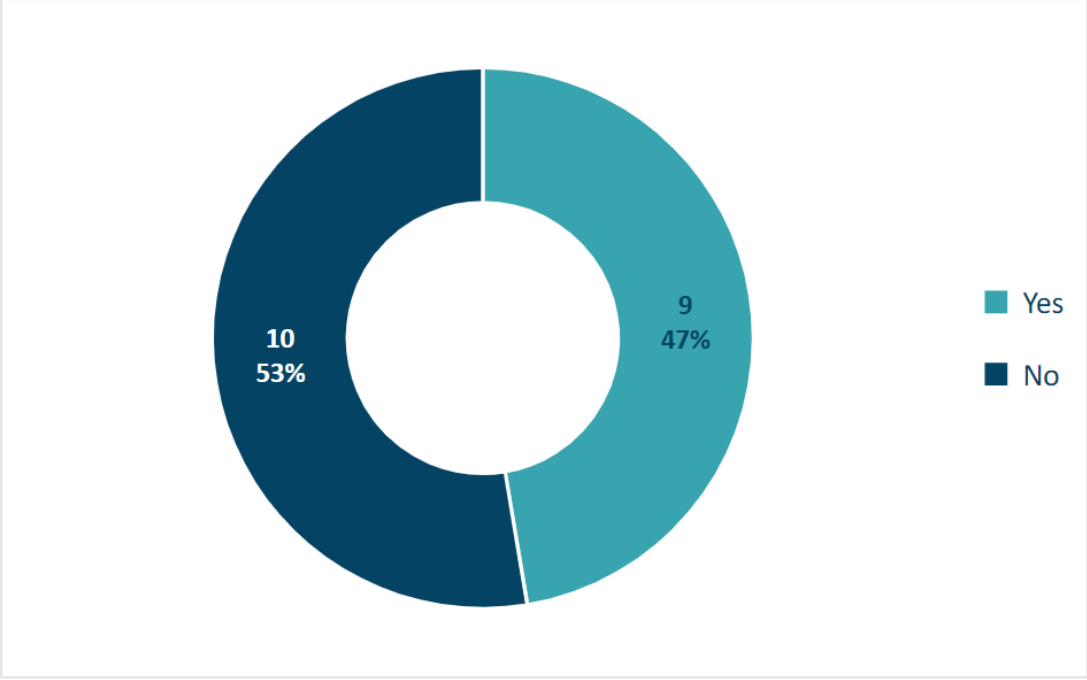


Fig. 4 - Respondents' interest in receiving information and/or working together to understand, manage and mitigate groundwater flooding in Chesham

# Engagement Update

- Engagement Plans Developed
- Feedback on Community Maps being collected

## Next Steps:

- Continue engagement

Ideas and support - please contact [hello@projectgroundwater.co.uk](mailto:hello@projectgroundwater.co.uk)

