



Flooding and the Highway

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Flood Risk Engineer





Flood Risk Manager – *a person who plans for the 1 in 1000 year storm that happened twice last month...*

A.K.A rainfall realist,
legislation survivor



“Wouldn’t it be more effective to just plant more trees upstream?”



Statistics



**£504m-
£924m**
annually

Roads account for
ONE THIRD
of total flood
damages



An average flood costs councils
£100,063 in repairs and clean-up

£1.4m PER FLOOD-RELATED
ROAD CLOSURE

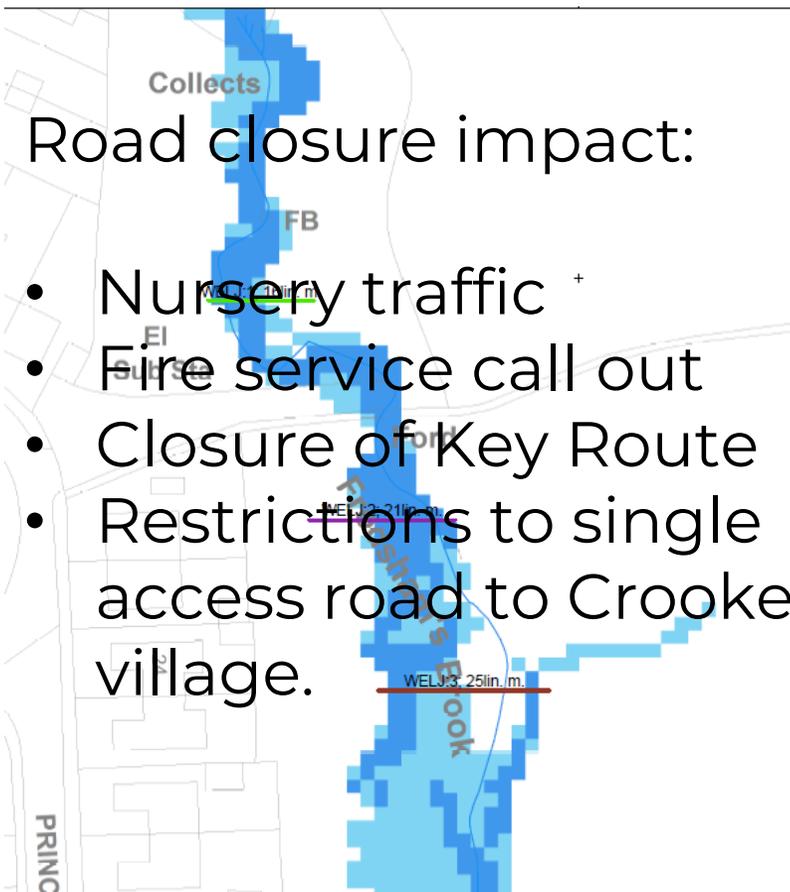
Estimated per-incident economic loss (national average)

**ROADS ARE THE
INFRASTRUCTURE TYPE
MOST FREQUENTLY IMPACTED**



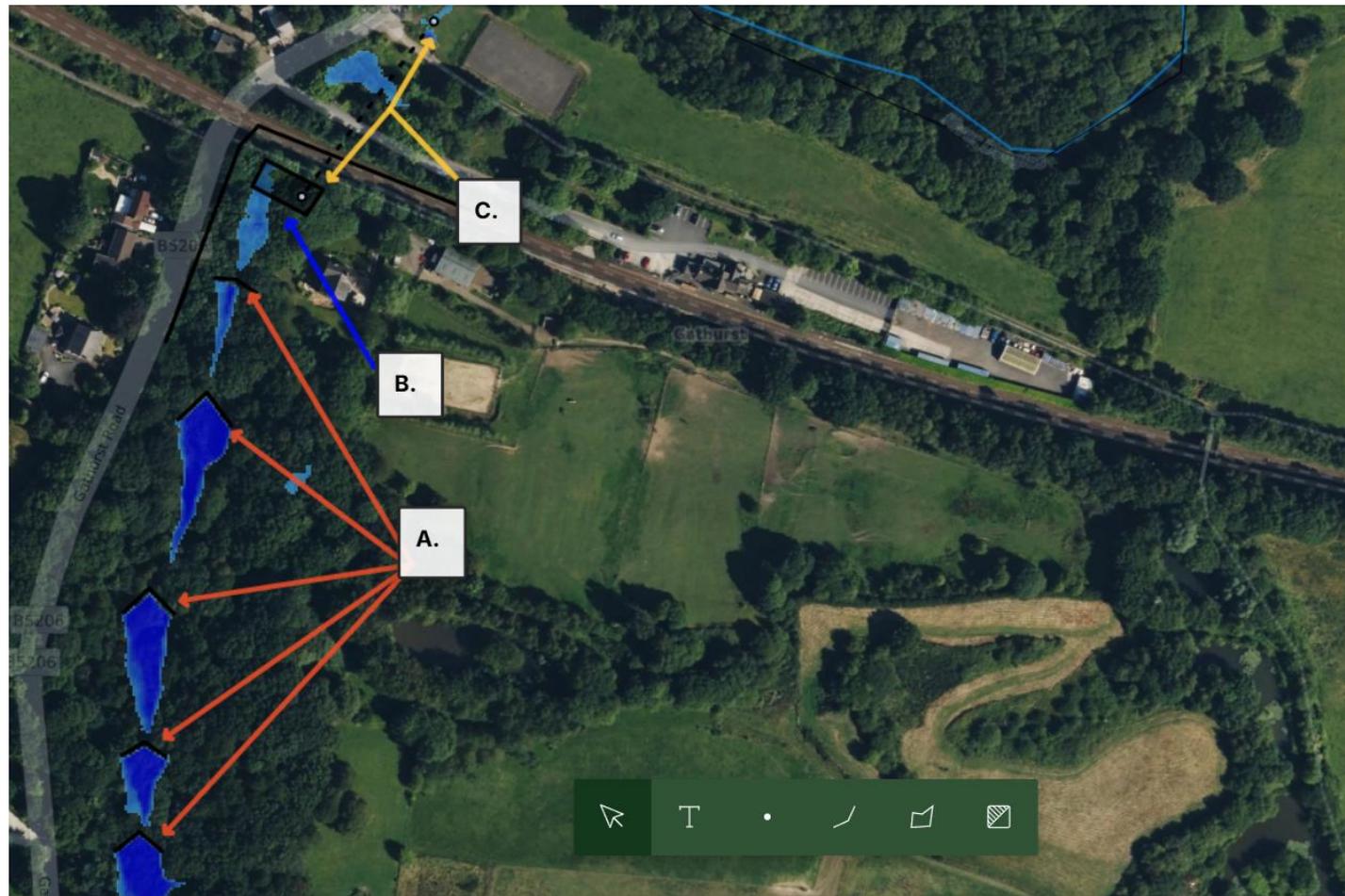


Case Study 1 - KRN





Case Study 2 – KRN and Rail



Flooding is inevitable!



Wigan[♥]
Council



REDUCE RISK

Limit likelihood and severity of flooding

IMPROVE RESPONSE

Strengthen preparedness and recovery



ENCOURAGE RESILIENCE

Build community capacity to adapt



Case Study – Hello Lamppost

Report flood
and get s
Before, during and a

Scan Me

to open this link:
tiny.hlp.city/wigan

Or text "Hello Wigan"
to 07446 954 846

All messages are anonymous. For
more info: hlp.city/privacy-policy/

8:45 5G

web.hlpst.app/launch?r=7732&t

Local flood Resilience

This experience stores cookies on your device for operation purposes only. Read more in our [Cookie](#) and [Privacy](#) policies.

Welcome back to Wigan's Local Flood Resilience Hub! Let's continue the conversation.

Disclaimer: This chat is for general information purposes only. Flood reports will not be monitored or addressed here. To report a flood or for further assistance, please visit [Wigan Council - KaarbonTech](#).

Tap the refresh button above (↻) to restart anytime.

How can I help you today?

- Report a Flood**
Report flooding in your area
- Ask a Question**
Get your questions answered

Report a Flood | Ask a Question | End Chat

Wigan Council

What can your LLFA do for you?



“Unity is strength... when there is teamwork and collaboration, wonderful things can be achieved”

Mattie Stepanek

Key take-aways

- Flooding is inevitable
- Climate change is real!
- Use your LLFA

