Attendees:

Jamie Lowe – Atkins Realis Design Authority Simon Jeffery – EA senior Advisor Gregg Kerry – EA Senior User Claire Kirsopp – EA PM

Discussion items:

• 1pm-2pm,

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- Introductions
- Residents Engagement
- Scheme overview
- Programme and next steps
- 2pm 3pm Open discussion





Strategic approach to Flood Risk Management in Portreath.

The Flood Risk Management Plan (FRMP) targets effort and resource to the highest risk communities in England.

This prioritisation resulted in 175 Flood Risk Areas being designated in the FRMP.

These are considered to have a nationally significant level of flood risk from rivers, the sea or surface water for people, the economy or the environment (including cultural heritage).

Portreath is one of these Flood Risk Areas and is one of three communities in Cornwall with the highest risk from flooding from rivers and the sea.

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The Portreath catchment Digital Terrain Map - with high ground, steep slopes and limited floodplain, the flashy catchment frequently has rapidly rising water levels



Three main tributaries to the Portreath Stream - the Cambrose Stream, Tolskithy Stream, Redruth Stream





Constructed in 1931 the Portreath Tunnel carries flow from the catchment upstream of the school through a 1km tunnel to the sea.

On a day to day basis the Portreath Tunnel takes all the river from upstream, but isn't big enough to take the extra water during flood conditions.



Up to 200 properties in Portreath are at risk of flooding.

Each year there is a 20% chance of river levels being more than can flow through the tunnel and cause flooding in Portreath.

The blue shaded area on the map shows the area that could flood in a 1 in 20-year flood event.

However, if we can reinstate the historic channel through Portreath it would reduce the risk of flooding in this area. There will also be less flooding across Portreath in more extreme events.

If we do reinstate the channel it would only take flow from upstream of Portreath at times when flooding to people's properties might otherwise occur.

The tunnel will still take the majority of river in a flood and is critical to reducing this risk in Portreath.

If the channel is reinstated it will enable us to maintain the tunnel safely in the future, reducing risks of blockage or failure and more serious flooding in Portreath.







Agency

- Cost to date £1.5M
- 2021 shortfall of £3M.
- FY24/25 funding secure
- FY 26/27 requires Programme bid for 2026-31 SR25 FCRM investment into Cornwall required to achieve ongoing funding
- The stronger the case we can make, the better chance of securing funding for Portreath.



- FY 24/25 Portreath Flood Alleviation Scheme
- Delivery Partners:
 - AtkinsRéalis Design
 - Kier Construction
- Re instatement of channel (increased channel capacity)







Reinstating the channel will redirect excess flood water that exceeds the tunnel capacity away from the main road.

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our aim is to consider the technical solutions with the least impact.



Managing Flood Risk in Portreath Where are we now and what are the next steps?



Please note that all dates on the timeline are subject to change

What have we done so far?

- Long List, Short list design solutions
- Ecology and ground investigation surveys.
- Modelling and design workshops.
- Cornwall Council project introductions and feedback.
- World Heritage project introductions and feedback
- Public engagement activities

What are the next steps?

June-July:

- Ground investigation & survey works
- Public information event
- Further engagement with Cornwall Council
- Continued ecological surveys

