

Ballinasloe Flood Relief Scheme

Board

Emerging Preferred Option Consultation Day

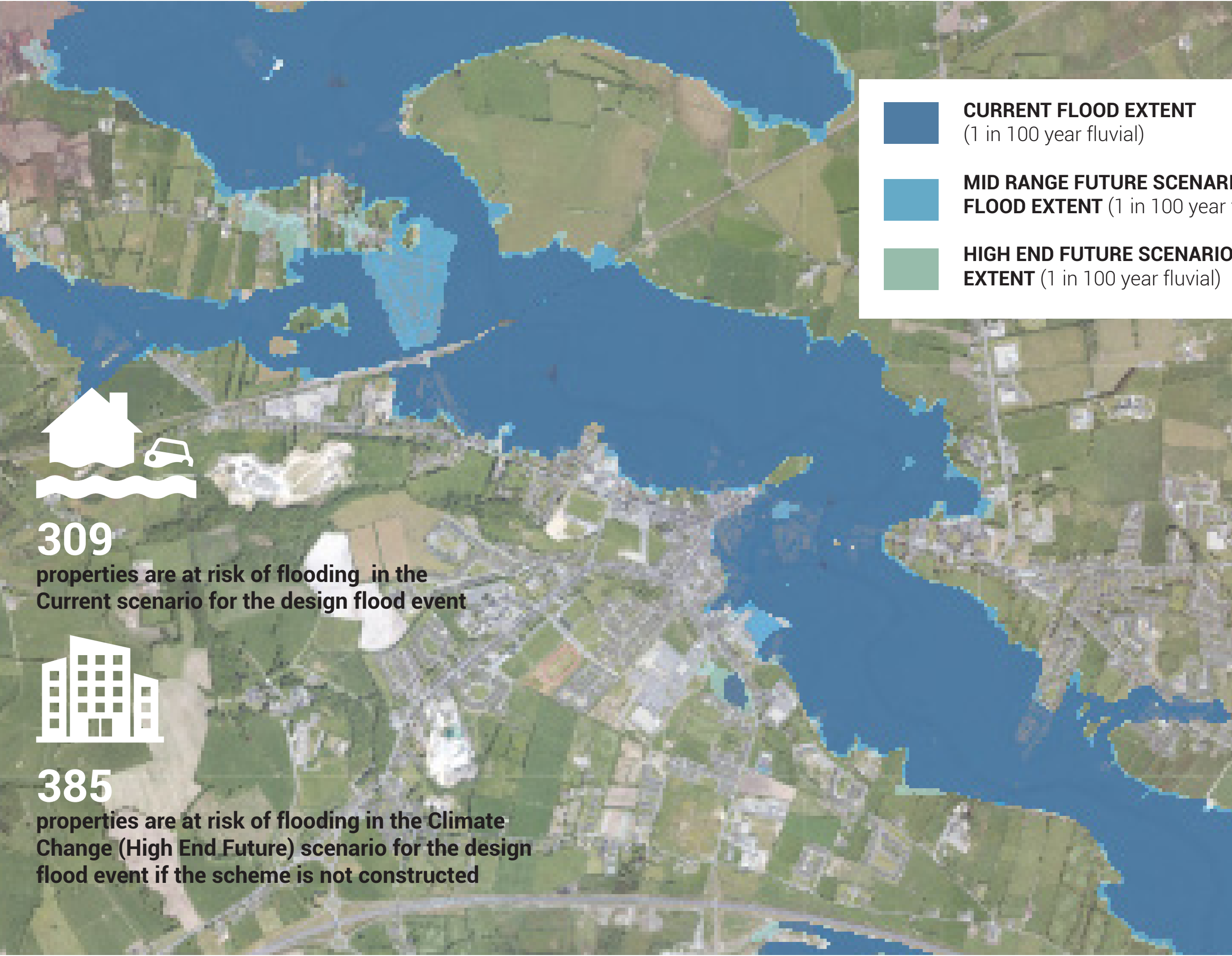
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Scheme Climate Change Adaptation Plan

Objectives of the Scheme Climate Change Adaptation Plan (SCCAP)

- The SCCAP will be developed pursuant to National Climate Policy and OPW's commitments under the Climate Change Sectoral Adaptation Plan for Flood Risk Management (2019)
- To ensure that the flood relief scheme designed in the present day is readily adaptable to modifications in the future.
- To ensure that flood risk management interventions are planned and sequenced to mirror increasing flood risks arising due to climate change.
- To ensure that these anticipated interventions are flexible and adaptable to the uncertainty related to possible future climate scenarios.

Potential Future Flood Risk



Assumptive vs Adaptive Approach

Two approaches can be taken to maintain the standard of protection as flood risk increases due to climate change:

Assumptive Approach

Designing and constructing the current scheme to account for an assumed future flood risk scenario

Adaptive Approach

Undertaking regular interim modifications of the scheme after it is constructed in order to maintain the target standard of protection

The merit of both approaches in each area of Ballinasloe will be reviewed in the Scheme Climate Change Adaption Plan. It is possible that in certain areas of the scheme, an assumptive approach will be adopted, whereas in other areas an adaptive approach may be considered more appropriate

Adaptation Pathway Assessment

The proposed SCCAP will include an Adaptation Pathway Map, which involves identifying the need for future adaptation, identifying potential adaptation measures, assessing the viability of these adaptation measures, and mapping out adaptation pathways in a decision tree format.

The Ballinasloe SCCAP will remain a 'live' document and will be reviewed on an ongoing basis. As new knowledge on the onset of climate change and its impact on flood risk in Ballinasloe is gained, it will inform future SCCAP reviews. This in turn will allow for the adaptation pathways to be refined and their means of implementation to be assessed.

Indicative Adaptation Pathway Map

