

Midleton Flood Committee

24th October 2024

MIDLETON FLOOD RELIEF SCHEME



OPW

Oifig na
nOibreacha Poiblí
Office of Public Works



Comhairle Contae Chorcaí
Cork County Council

ARUP



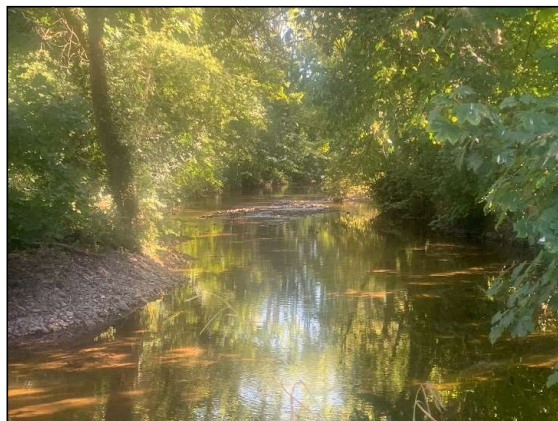
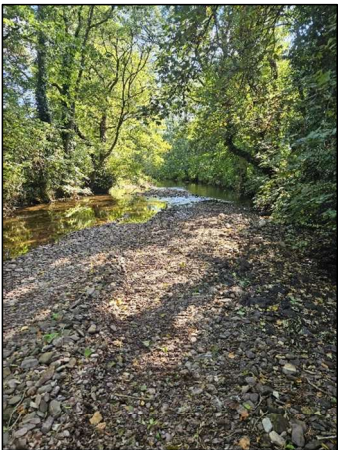
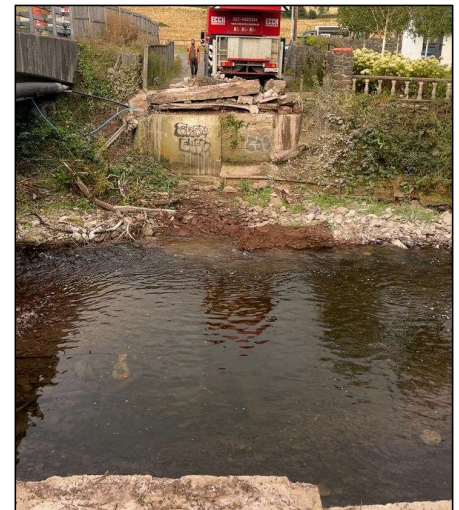
Presentation Contents



1. Update on Interim & Advance Works
2. Update on Individual Property Protection
3. Update on Flood Relief Scheme Delivery
4. CCC Flood Emergency Response Plan
5. Any Other Business

Interim Works – progress to date (1)

- Roll out of interim measures is ongoing, with substantial progress over the summer months: in a phased manner, in compliance with the regulatory frameworks; the following items have been completed since our last meeting:
 - Removal of Moore's Bridge – the bridge was removed by a CCC appointed contractor on 29/8/2024
 - Deposited material south of Moore's Bridge was removed following the grant of a derogation from the requirements of the Fisheries Act which was approved by the DECC. Material also removed from adjacent flood plain.



Interim Works – progress to date (2)

- Non- return valves were installed at storm water outfalls on Dwyer's Road and in Ballinacurra
- Gravels have been removed from the Owenacurra south of Cork Road Bridge
- Vegetation clearance along the Dungourney and Owenacurra was carried out at various locations.
- Installation of river gauges – Signage erected at Lidl Bridge and Tir Cluain. A technical issue has delayed the installation of the gauge at Tir Cluain.



Interim Works – progress to date (3)



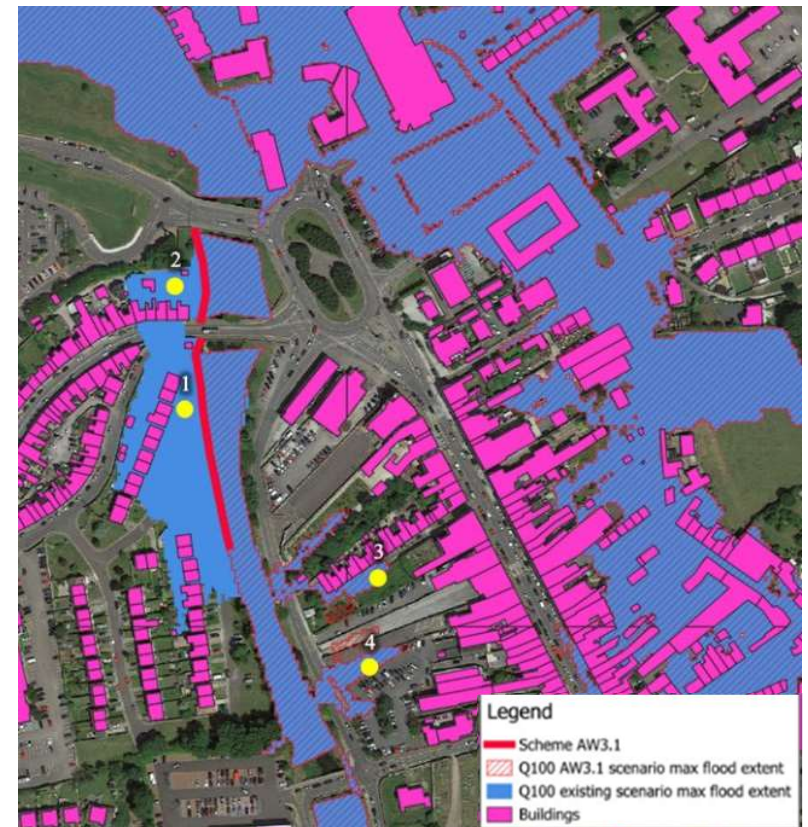
- The following interim works are planned for completion in the coming weeks:
 - In channel vegetation clearance and removal of deposited material from the channel near the Lidl Bridge – Contractor has remobilised to site this week
 - Continued engagement with Met Éireann
 - OPW hydrometrics team are progressing the installation of two additional gauges in Midleton (Dungourney and Peoples Park). Gauges are anticipated to be online in the coming days and information will be available publicly.



Interim Works – progress to date (4)

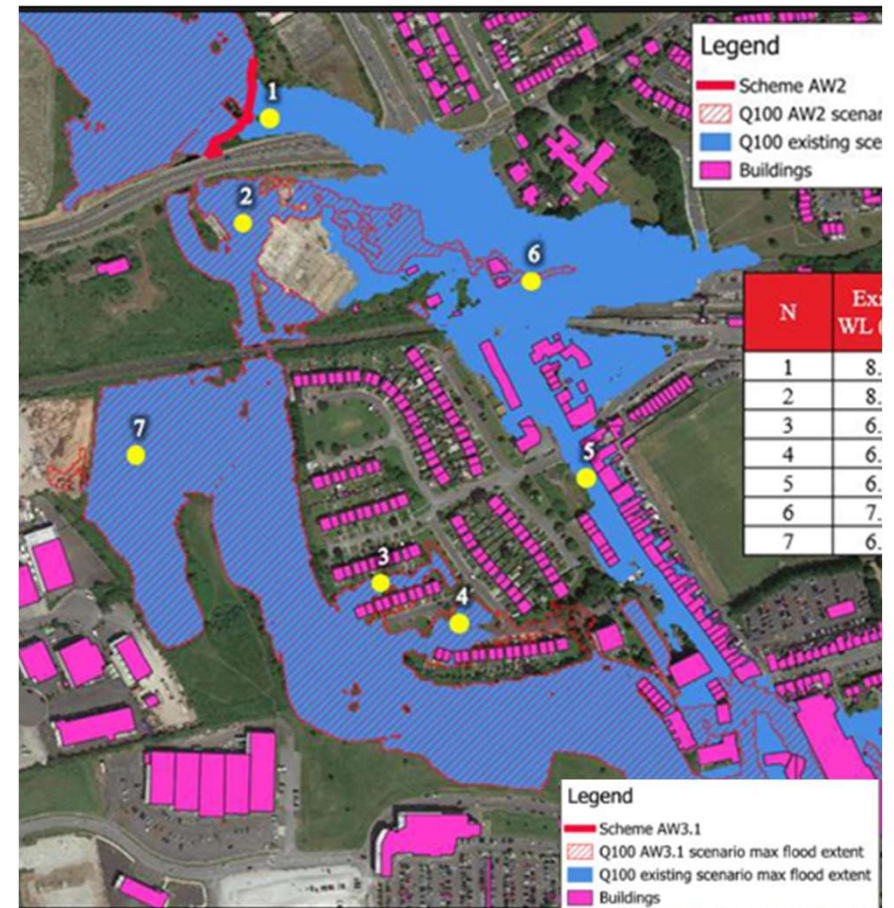
- Woodlands Estate:

- CCC are assessing the options for deployment of temporary defences at this location.
- Installation of a row of sandbags, or similar temporary defence is being considered
- CCC intend to engage with residents in relation to this option in the coming weeks



Interim Works – progress to date (5)

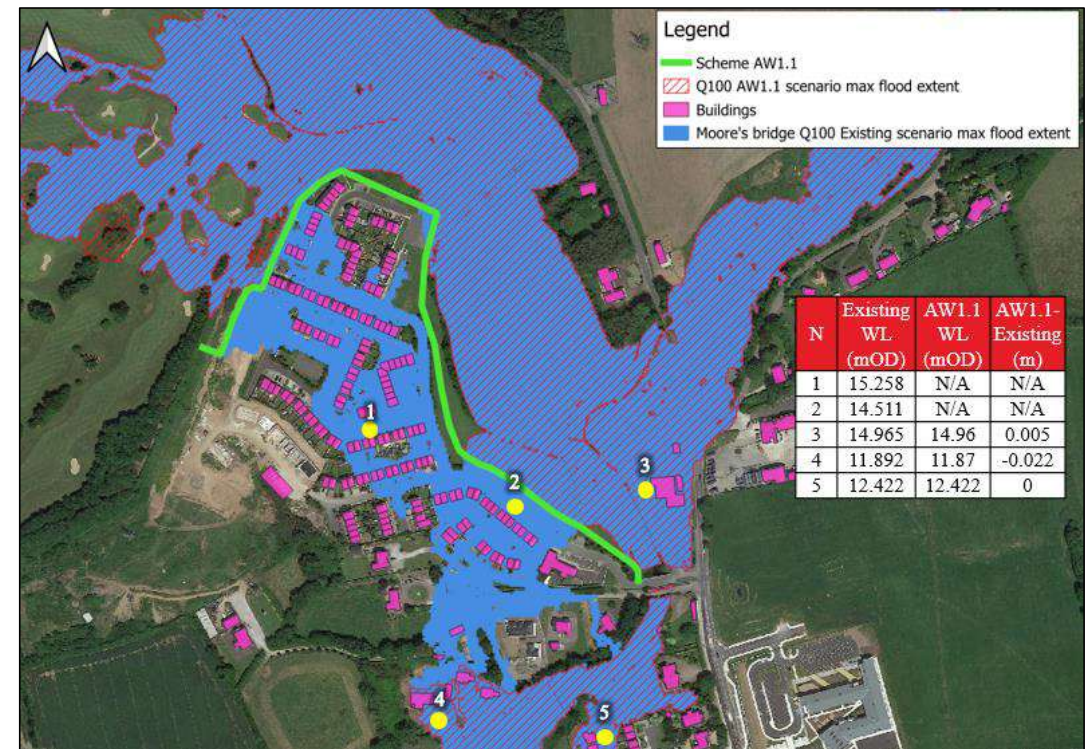
- Northern Relief Road
 - CCC are assessing the options for deployment of temporary defences at this location, and some associated measures.
 - Work is ongoing on this assessment.



Advance Works (1)

Tir Cluain-Potential Advance Works

- Can protect up to 111 properties up to the design standard of protection of the scheme (i.e. up to a Q100, or 1 in 100 year event)
- Are not predicted to cause any significant increase in risk to other properties in the design event (i.e. a Q100 event)
- CCC proposes to deliver these advance works under a Part 8 planning process (subject to completion of environmental screening)



Advance Works (2)

Part 8 Planning Process (Tir Cluain)

- Indicative timeline, subject to confirmation (best estimate)
 - Environmental screening required in advance of Planning

	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25
Prepare planning documents and drawings											
Part 8 Planning Process											
Prepare tender documents											
Tender for works contractor											
Appointment											
Works commence											

- Other locations in Midleton are also being considered for Advance Works (GAA, Carrigogna Bridge), subject to further assessments

Timeline of Part 8 process

Week 1

Formal notice published

Week 4

Public display for 4 weeks

Week 6

Submissions period must last at least 2 weeks. Following end of submissions period Chief Executive prepares report for members.

Week 14

Assessment of CE's report

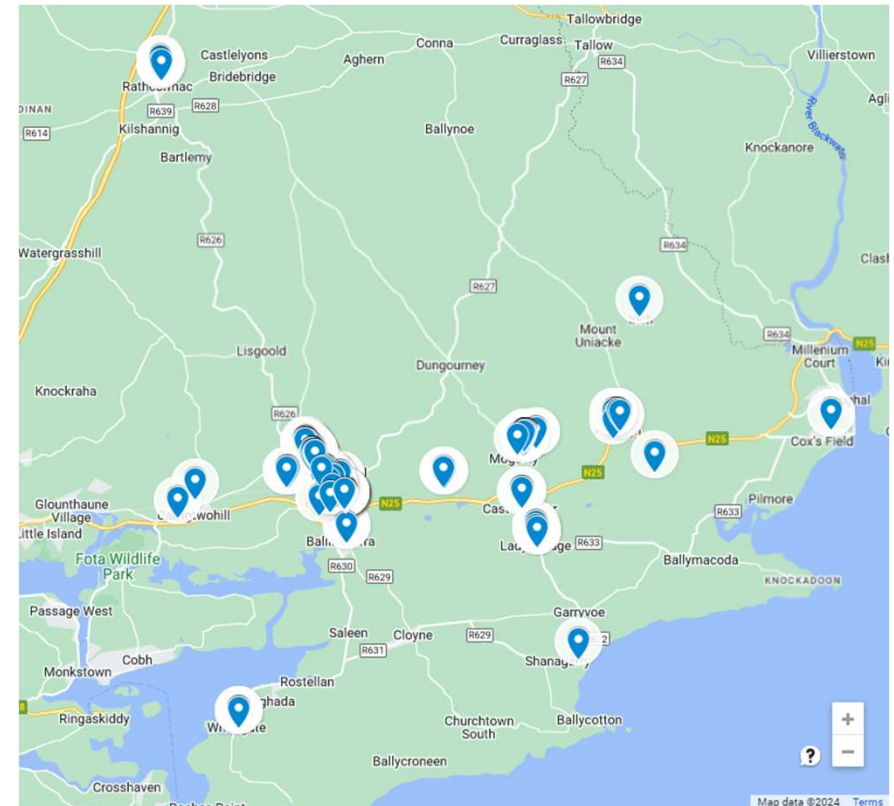
Week 20

Council must make decision within 6 weeks of CE's report.

Taken from: <https://ailg.ie/wp-content/uploads/2021/07/AILG-Information-Leaflet-1-PART-8-Planning.pdf>

Individual Property Protection (1)

- Midleton & East Cork IPP scheme was launched on October 4th and went live for applications on October 7th
- The closing date for applications is November 11th.
- As of midday on October 21st, 640 applications have been received by CCC.
- Of these, 502 are properties which were either pre-approved (459) or which CCC have reviewed and deemed eligible (54)
- The first 2 batches of properties have been tendered for Consultancy services (property inspections).
- Anticipate first property surveys to commence in early November



Individual Property Protection (2)

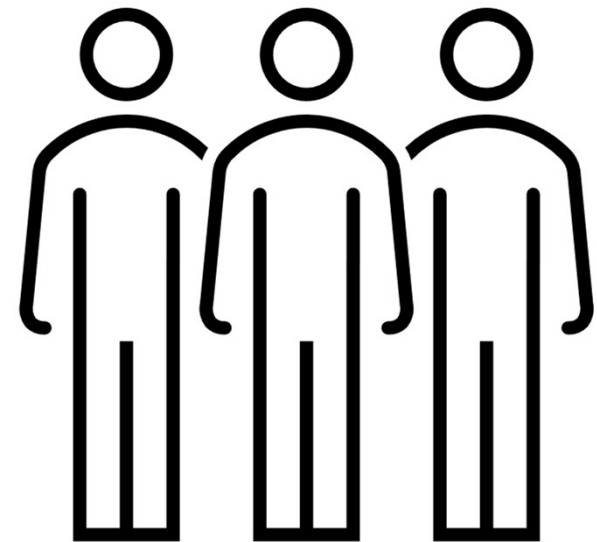


- 81 applications have been reviewed and deemed ineligible (12.5% of total applications), as the application did not meet the criteria for inclusion in the scheme, i.e.:
 - The property is predicted to be at risk of flooding in a 1% AEP fluvial event (i.e. a fluvial/river flooding event with a 1% annual exceedance probability, or a 1 in 100 chance of happening in any given year) or 0.5% AEP tidal event (i.e. a tidal flooding event with a 0.5% annual exceedance probability, or a 1 in 200 chance of happening in any given year), or
 - The property flooded **internally** during Storm Babet. It is important to note that Storm Babet was a much larger event than a 1% AEP fluvial event.
- Properties which have been deemed ineligible will remain on the system and under consideration. Once the scheme has delivered Individual Property Protection to the properties most at risk, Cork County Council and the OPW will review the ineligible properties. It may be that, when that review is undertaken, some additional properties may be included in the scheme.

Interim Works – resourcing



- Cork County Council has received confirmation of funding from the Office of Public Works for a further complement of additional staff
- Cork County Council is currently filling these roles.



Update on Middleton Flood Relief Scheme Delivery (1)



- **In the last period:**

- Phase 6 Ground Investigation Contract – intrusive fieldwork is substantially complete. Some additional testing may be required in Peoples Park & Tir Cluain areas.
- Point Cloud survey – survey works completed over the summer; deliverables are being received on an ongoing basis.
- Environmental surveys – fish and river surveys carried out in July; bat surveys carried out in August; water quality survey is ongoing (6 month survey)
- Update to fisheries survey and ecological water quality sampling to be carried out in the next period

- **Arup deliverables in the last period:**

- Technical outputs including blockage assessment report, advance works assessments
- Draft drainage layouts
- Draft planning drawings for Areas 1, 2, 3N, 3S, and 4

Update on Midleton Flood Relief Scheme Delivery (2)



- **Over the next period:**
 - Overwintering bird surveys will be carried out
 - Underwater archaeology surveyor will be appointed
 - Updates to flood extent mapping and damages assessment will be commenced
- **Consent route has been agreed between OPW and CCC** – the scheme will be progressed by Cork County Council under the Planning and Development Act to An Bord Pleanála
- **Landowner engagement will increase over the coming months**

CCC Flood Emergency Response Plan (1)



- Cork County Council's emergency response structure for storm/flood events has three levels:
 - Countywide Major Emergency Plan: this is updated yearly. Current version is V9.0 (June 2023). Changes from V8.0 related to changes in CCC structure. V10.0 is due for publication online soon.
 - Countywide Flood Emergency Response Plan: sets out specific protocols and contact details to facilitate Cork County Council's response to Flood Emergencies. The plan has been revised and is due for approval at the next Major Emergency Management Committee meeting. Following approval, arrangements will be made to publish those parts of the plan relevant to communities and businesses on the council website.
 - Local Flood Action Plans: Each Municipal District (8 in total) has a local flood action plan. These are being restructured and updated. The East Cork Flood Action Plan will include protocols for Midleton Town, Youghal Town and Environs (including Mogeely/Castlemartyr/Killeagh (single catchment), Ladysbridge and Whitegate). The revised East Cork Plan and individual settlement protocols will be finalised in the coming weeks. CCC will then arrange briefings to the MDs and local groups on the revised plans.

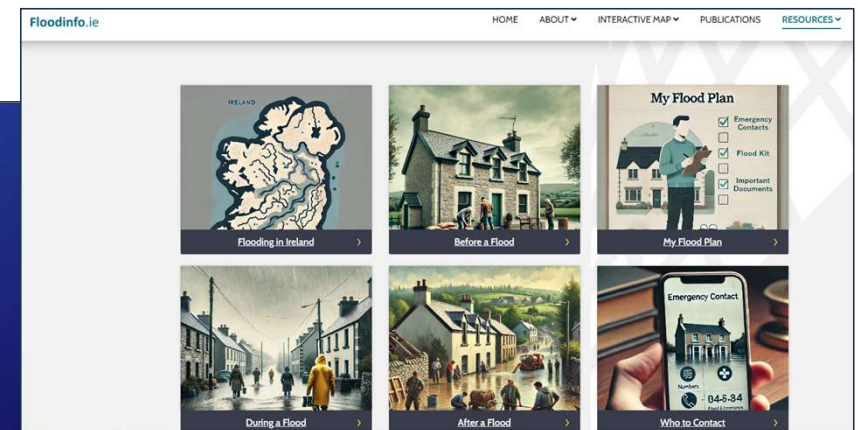
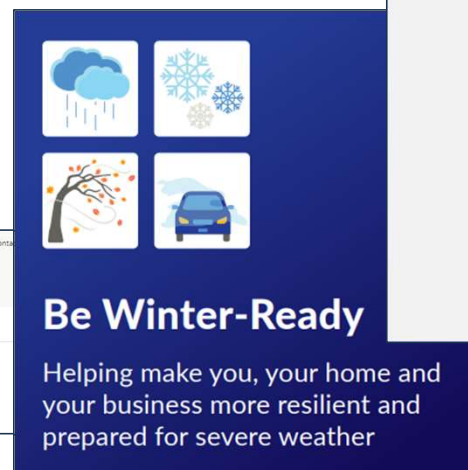
CCC Flood Emergency Response Plan (2)

- The CCC Flood Response Plans do not include information/guidance for the individual home or business owner.
- Useful websites to help individuals in their own preparedness:

[OPW floodinfo.ie/plan-prepare-protect](https://floodinfo.ie/plan-prepare-protect)

[Cork County Council Public Flood Guidance](#)

[Be Winter Ready](#)



Any other business?



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