

Climate Action, Energy &
Environment SPC,
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Flood Projects & Strategy update

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Completed Flood Projects 1

- **Dodder Phase 1 and Phase 2.** Liffey to Lower Smurfit Weir.
2,000+ Buildings protected to 100 year fluvial and 200 year tidal flood level. Cost to date Euro 65m. Maintenance Euro 50k per annum
- **South Campshires,** Butt Bridge to Cardiff Lane.
750 buildings protected from 200 year tidal flood event. 3,000 buildings from 1,000 year tidal flood event. Cost E6.5m.
- **Spencer Dock,** Royal Canal.
500 buildings protected to 200 year flood event. Cost E8m.
- **Sandymount.** Merrion Gates and Marine Drive.
50 buildings protected to 200 year tidal flood event. Cost E0.4m
- **Liffey Boardwalks.**
120 buildings protected to 200 year tidal flood event. Cost E0.3m
- **Tolka Flood Alleviation Scheme.**
600 buildings in Dublin City protected to 100 year flood event at a cost of E12m.

Completed Flood Projects 2

- **Santry**, Harmonstown Road, 42 buildings protected to 50 year flood event. E35k.
- **Glendhu** and Park Road, Cabra. 20 houses protected from 100 year flood. E0.3m
- **Dingle Road**, Killala Road and Drumcliffe drive, Cabra. 30 houses protected. E0.4m
- **Ballygall Road**, Finglas 12 houses protected from 100 year flood event. E0.3m.
- **Mount Brown**, Faulkners Terrace, 6 houses protected, E0.05m.

Ongoing Flood Projects 1

- Poddle FAS. Construction Q1 2024-Q4 2026.
- Camac FAS. At Preferred Option stage. Planning Application 2025.
- Sandymount. Consultant procurement. Appointment Q1 2024.
- Clontarf Promenade. Contract docs for consultant being compiled. Consultant procurement Q2 2024.
- Wad Phase 2. Construction Q2-Q3 2024.
- Dodder Phase 3. Clonskeagh to Orwell rd. Planning application Q4 2024.

Fitzwilliam Quay Collapse



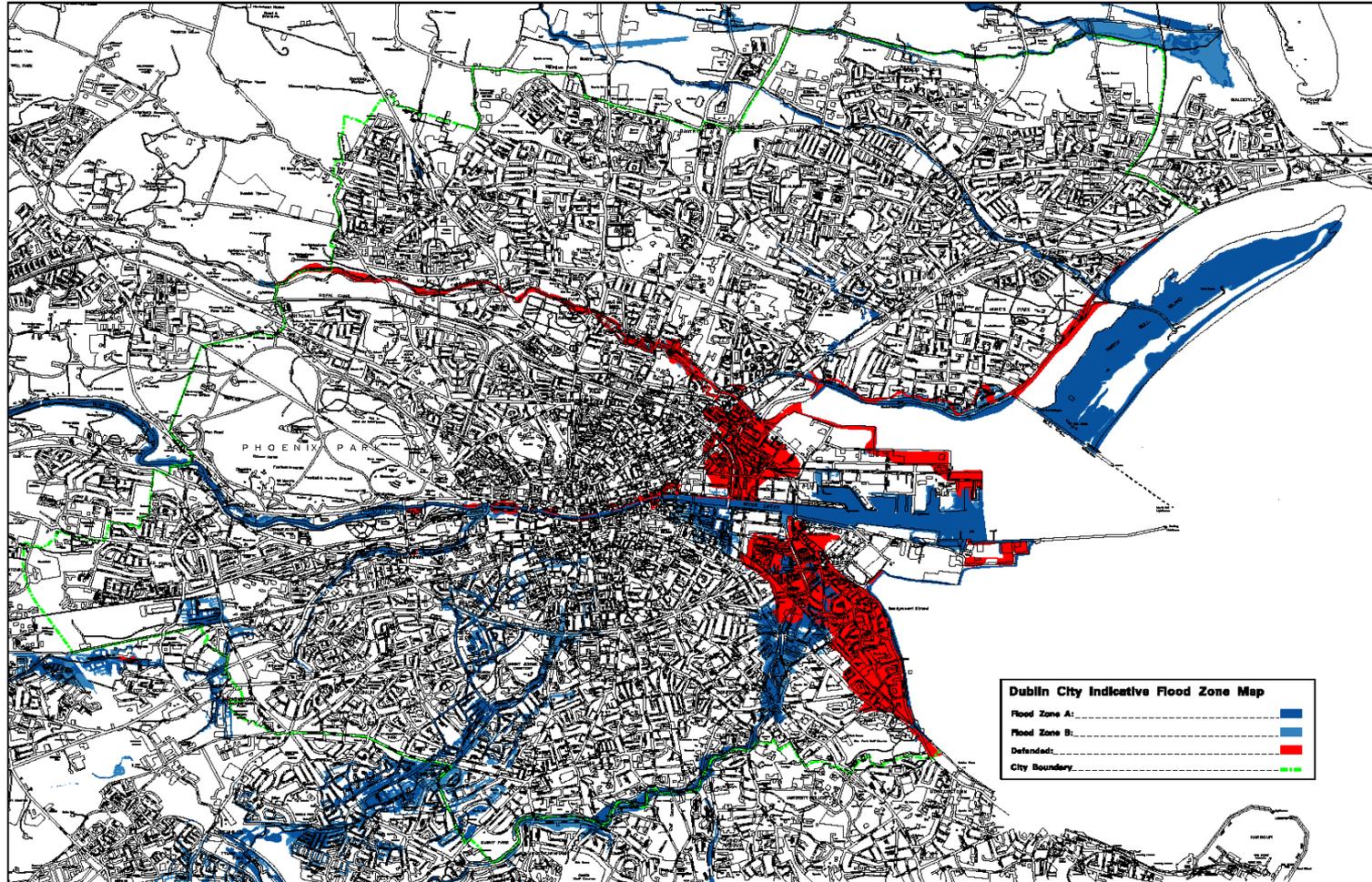
Ongoing Projects 2

- River bank and Quay wall Collapses. 2-4 per annum. Repair and make good.
- Survey of all quay walls and river defences in DCC ongoing. Some drone surveys.
- River silt surveys ongoing.
- Coastal accretion and Dublin Bay depth surveys for wave models.
- Climate change adaption of all projects.

Ongoing Projects 3

- Optimising existing drainage networks in areas prone to pluvial flooding.
- Maintenance of all flood defence projects.
- Monitoring ground water levels in areas at risk of flooding, particularly due to rising sea levels and rivers in flood.
- Modelling drainage networks during times of tidal and river flooding.

City Fluvial/Tidal Flood Map - 2022



Flood Defence Strategy 1

- Maximise use of existing resources to reduce flood risk in the city as far as possible. SI13
- Target highest risk areas.
- Try and reduce flood risk to national standards where possible. Follow OPW guidelines.
- Allow for climate change adaptability and install at the first opportunity.
- Reduce maintenance as far as possible due to very limited direct labour workforce and limited warning times.

Flood Defence Strategy 2

- Comply with Strategic Flood Risk Assessment, SI14
- Site specific Flood risk Assessment for all proposed developments. SI15
- Catchment Based Flood Risk Management Plans for all major flood schemes. SI16
- Assist OPW. SI17
- Protect existing flood infrastructure. SI18

Flood Defence Strategy 3

- Upgrade existing flood alleviation infrastructure as required. SI19
- Reduce Basement Flood Risk SI20.
- Manage Surface water Flood Risk SI21.
- Provide where possible, Sustainable Urban Drainage Systems. SI22
- Prioritise flood relief projects where recent flooding has occurred or near miss.

Any Questions ?