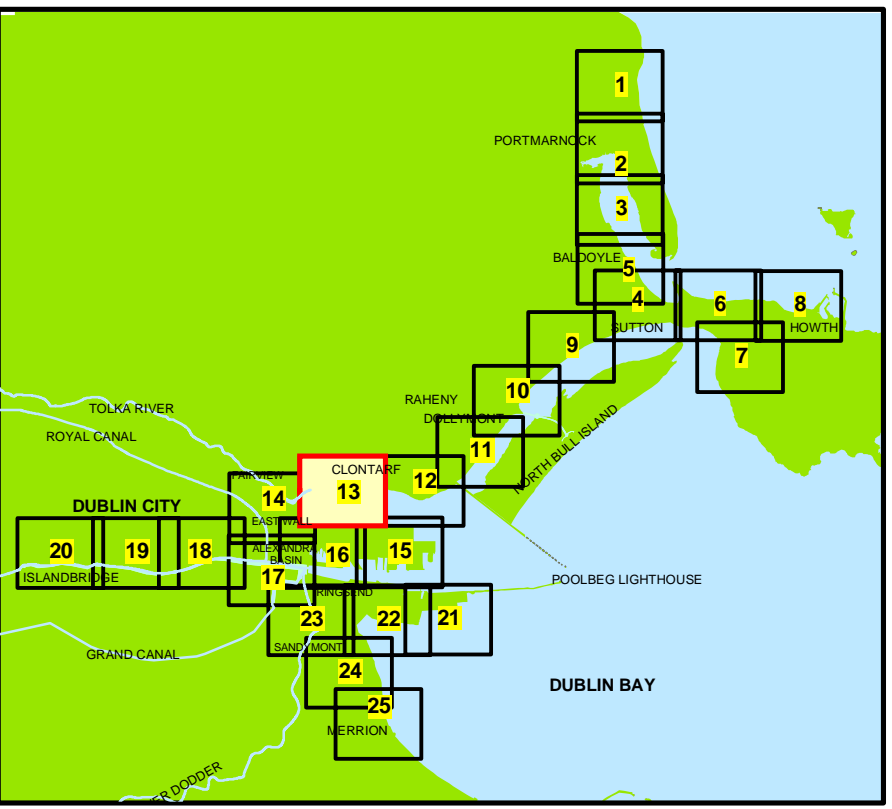


Flood Defence Initiative Notes

Note 13.1 - New flood defences at the Design Stage



- Legend:**
- 1/200 Flood Hazard Extent
 - 1/200 Flood Hazard Area
 - Protected Area (Based on 200 Year Event)
 - Flood Defence
 - Gap/Demountable Flood Defences
 - Coastal Area/Rivers/Canals
 - Ongoing Flood Defence Initiatives and Notes

- Notes :**
- 1) These maps present the indicative tidal flood hazard for a 200 year return period event (shown as flood extent) for the category shown in the legend and as described in the notes below. The justification for these maps and the information presented on them arises through the flood risk assessment work undertaken as part of the Dublin Coastal Flooding Protection Project, completed by Royal Haskoning for Dublin City Council and Fingal County Council in April 2005. Before use is made of these maps the following notes should be read carefully to avoid incorrect interpretation of the information presented. The maps must only be used in conjunction with and in acceptance of the information, exclusions and disclaimers set out in these notes.
 - 2) Tidal flood hazard is taken to mean areas at risk from combinations of:
 - a. Extreme tide levels with wave action as appropriate along the open coastline
 - b. Extreme tide levels with a component of fluvial discharge as appropriate within the tidal reaches of the rivers.
 - 4) Definition of flood hazard area and protected area in the context of the information presented on these maps

- 1/200 Flood Hazard Area/Extent – Indicative flood hazard extent for a 200 year event taking into consideration the effect of the existing defences and the possibility of plausible failure scenarios of those defences at any given location.
 - Protected Area (Based on 200 Year Event) – The indicative area within the 1/200 Flood Hazard Area that is protected or defended against flooding for a 200 year event as a result of the existence of the current defences, i.e. if the existing defences remain intact then the area shown green hatched with light grey background will be protected against flooding for the 200 year event. The area is a protected flood hazard area.

Note: The residual blue area within the 1/200 Flood Hazard Area (not overlain with green hatch and light grey background) shows the indicative flood area extent taking into account the effect of the existing defences, i.e. the standard of protection (SoP) of some or all of the defences is less than 200 years. The blue area is not defended to a 200 year event.

For more detail of the definitions and a description of how the areas have been assessed for the production of these maps, see the definitions presented at the beginning of these maps and also the Flood Hazard Manual produced to accompany these maps.

A 200 year extreme tide level at Dublin Port has been assessed as 3.13mODM (5.64mLAT).

- 5) The work undertaken and hence the information presented on these maps is relative to the year 2005.
- 6) As such none of the categories presented make any allowance for climate change.
- 7) These type 1 maps show the indicative extent of flooding for the categories presented in note 4 and also the legend.
- 8) The maps do not show indicative flood hazard associated with any of the following:
 - Extreme fluvially dominated combinations within the tidal reaches of the rivers
 - Extreme pluvial events
 - Blocked drains
 - High ground water level conditions
 - Other unforeseen events, e.g. bridge collapse etc.
- 9) It should be noted that a residual risk remains for the other areas (light grey), located outside those defined as being at risk from tidal flooding on this map, as a result of flooding through the mechanisms identified in note 7 above.
- 10) For a more detailed description of the information presented on these Flood Hazard maps, see the Flood Hazard Map Manual.
- 11) All level information presented on these maps relates to ordnance datum Malin Head (mODM). For conversion from mODM to mLAT relative to Dublin Bay add 2.51m.
- 12) These maps are to be used and read in conjunction with the DCFPP final report and the Flood Hazard Map Manual produced to accompany them. The manual presents details of the work undertaken to produce the maps together with the constraints and assumptions as appropriate for given locations.
- 13) Whilst the utmost care and quality control has been undertaken in the interpretation of level data and modelling results for the production of these maps, the information presented is indicative only and is subject to the normal uncertainties associated with ground level and modelling accuracy. Accordingly, the maps should not be used in isolation for decision making purposes and should be read and interpreted by suitably experienced persons using all associated and additional data available for the area to aid in the decision making process.
- 14) Dublin City Council makes no representations, warranties or undertakings about any of the information in these maps including, without limitation, their accuracy, their completeness or their quality or fitness for any particular purpose.
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Scale: 1:2,500 @ A1
DUBLIN CITY FLOOD HAZARD MAPS
TYPE 1 - 200 YEAR FLOOD EXTENT
Map 13 - CLONTARF (WEST)