

Area 3 (South)  
Constraints



One option was presented at Public Participation Day No. 2 for this area as no other options were considered technically, environmentally or economically feasible:

**Option 3A:**  
Direct defences only  
Following a multi criteria analysis taking into account environmental, social, technical, and economic objectives, and feedback from the public and various stakeholders, refinements were made to the option.

**Option 3A: Direct defences** has been selected as the Emerging Preferred Option.

**Technical outcomes**

- ✓ Operationally robust option, minimises operation and maintenance requirements
- ✓ Adaptable to climate change, no impediment to future interventions to address future flood risk
- ✓ Interaction with existing infrastructure is manageable through design

**Social outcomes**

- ✓ Proportional to the impacted community
- ✓ Minimal impact on those landowners/stakeholders who are not at risk from flooding
- ✓ Facilitates other CCC infrastructure projects including the Pedestrian and Cycle Route from Ballinacurra to Midleton Train Station



**Legend:**

- Area of Observed Ecological Habitat
- Area of Observed Fisheries Habitat
- Archaeological Sites / Monuments
- Protected Structures / National Inventory of Architectural Heritage
- Archaeological Zone of Notification
- Special Heritage Area
- Proposed National Heritage Area
- Special Protection Area
- River Centre Line
- Mill Race
- 1% AEP Fluvial/ 0.5% AEP Tidal Flood Extent (1 in 100 year fluvial/ 1 in 200 year tidal flood extent)

**Constraints Map**

- Evidence of otter activity was noted
- Otter and bat activity was noted west of the wastewater treatment plant, and throughout the floodplains of the Owenacurra River
- This location features both the Cork Harbour Special Protection Area and the Great Island Channel Special Area of Conservation.  
This wetland habitat is home to a wide variety of flora and fauna for which conservation objectives have been identified.
- Bat activity was noted in Ballinacurra along South Quay

**Environmental outcomes**

- ✓ Minimal impact on Water Framework Directive conservation objectives, limited in-stream works required
- ✓ Minimal direct impact on Habitats and Birds Directive conservation objectives, limited in-stream works required
- ✓ Minimal impact on fisheries resource within non sensitive water body
- ✓ Some impact on landscape character and visual amenity within the river corridor/zone of influence, however defence heights are not significant and mitigation is possible through design
- ✓ Some impact on features of cultural heritage importance, however mitigation is possible and option provides increased level of protection from flooding for architectural and archaeological features of value