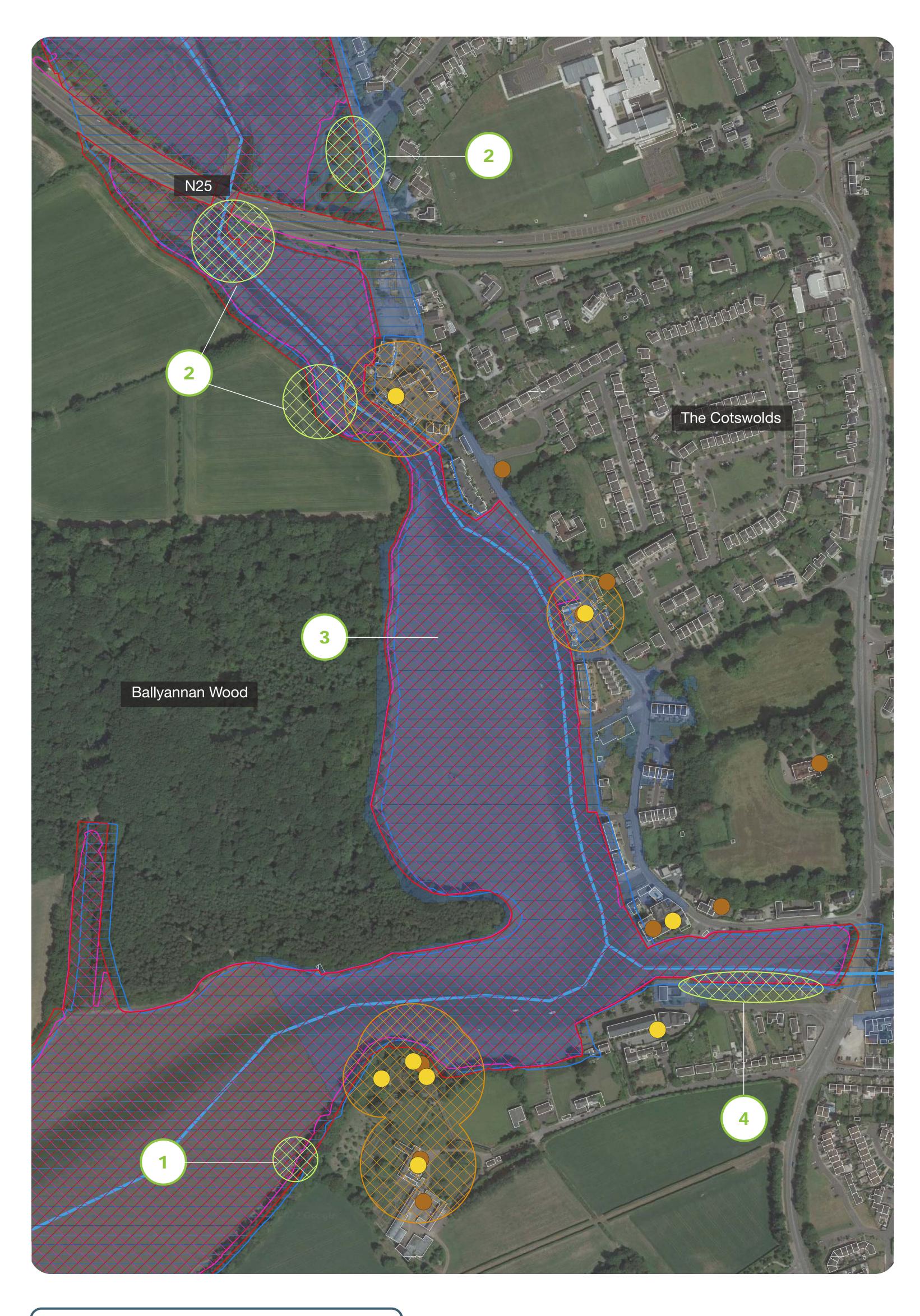


# Area 3 (South) Constraints





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**

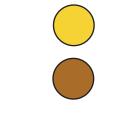
- Operationally robust option, ✓ minimises operation and maintenance requirements
- Adaptable to climate change, ✓ no impediment to future interventions to address future flood risk
- Interaction with existing ✓ infrastructure is manageable through design

#### **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



Area of Observed Ecological Habitat Area of Observed Fisheries Habitat



Archaeological Sites / Monuments Protected Structures / National Inventory of Architectural Heritage



Archaeological Zone of Notification



Proposed National Heritage Area



River Centre Line

Mill Race

Special Heritage Area

Special Protection Area



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









