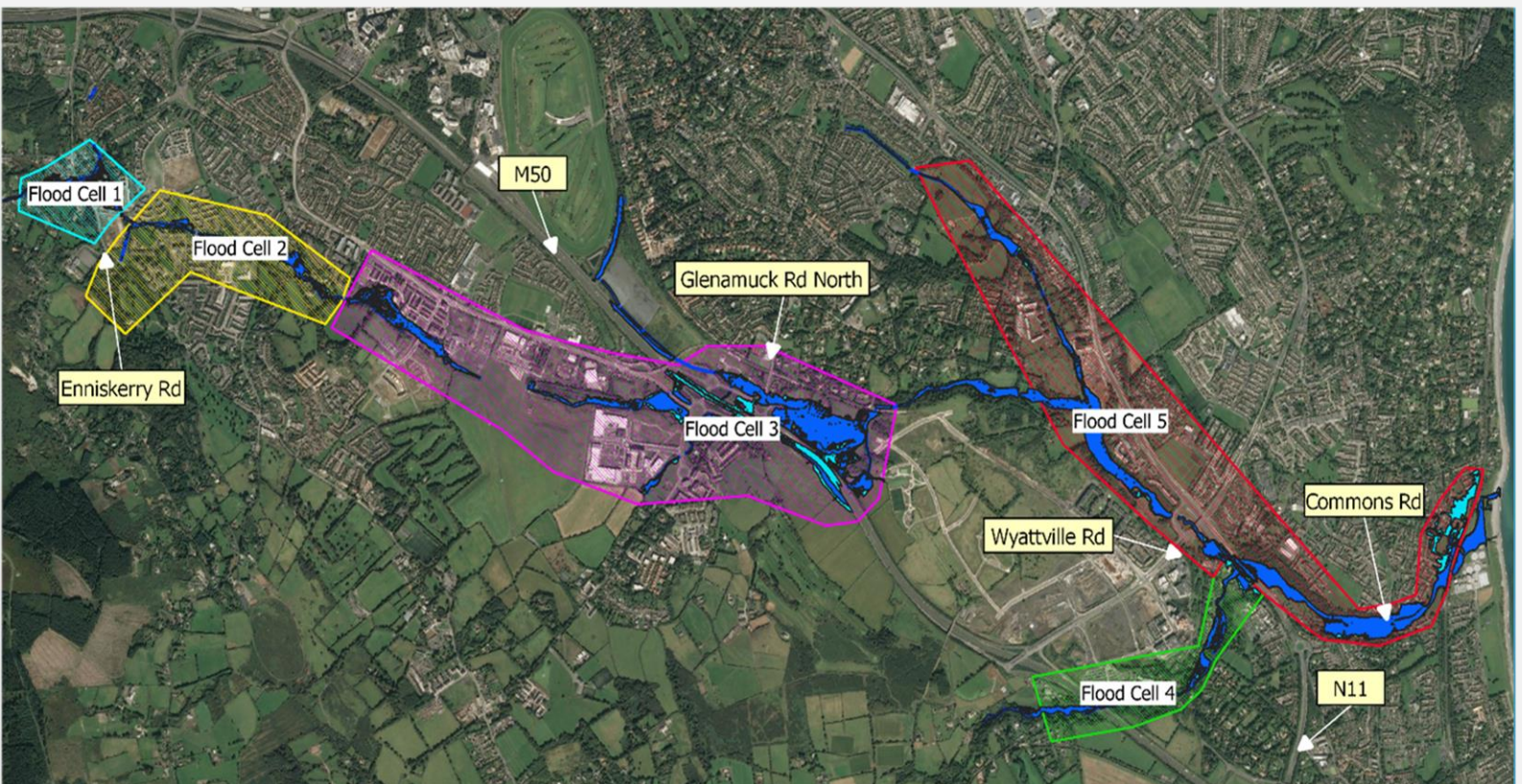


# Carrickmines Shanganagh River Flood Relief Scheme

# Newsletter 02

August 2022



## BACKGROUND TO THE SCHEME

Dún Laoghaire Rathdown County Council, along with project partners the OPW, have appointed the joint venture team of JBA Consulting and JB Barry & Partners to assess, develop and design a viable, cost-effective and sustainable flood relief scheme which aims to minimise risk to the community, social amenity, environment and landscape character.

## PROGRESS TO DATE

Since the previous newsletter we have been working to understand the linkages between rainfall, drainage and flood levels across the catchment. We have built a hydraulic computer model of the Carrickmines Shanganagh catchment. The model is being used in the following ways:

- To understand past flood events.
- To assess the impact on property and people during a flood event.
- To select the most sustainable scheme.

We are looking at a range of measures across the catchment, including hard defences, flood storage, nature based solutions, new debris screens, culvert works and upgrade of existing flood controls. Combinations of these measures are being tested in our computer model, and the outcomes of this testing are being assessed in detail before choosing a preferred solution.

This assessment will include a full review of the economic and non-monetary flood damages and the cost/benefit analysis of the scheme options.

### Topography Survey

A two-stage topographical survey has been undertaken between Winter 2021 and Summer 2022. This survey has provided accurate geometric information relating to the areas of interest where potential measures are being assessed. This information is fundamental for the detailed design of our proposed solutions against flooding. More than 37 Ha of the Carrickmines Shanganagh catchment have been surveyed in detail across by our specialist contractor, Murphy Geospatial.

## **PUBLIC ENGAGEMENT**

We want to thank you for the feedback provided during the first Public Engagement Event, undertaken in October-November 2021. The comments, photos and videos received have proved useful tools in the options development. The consultation also helps the project team to better understand the impact of the proposals on the local communities and how we can potentially maximise the scheme benefits.

A new Public Engagement Event is scheduled for later this year. We will present the Emerging Options which are intended to provide the desired level of protection against flooding and we will consider any comments or feedback you may have regarding the scheme progress.

## **UPCOMING WORKS**

A geotechnical site investigation contract was recently tendered and awarded to Ground Investigations Ireland Ltd in August 2022. This exploratory investigation will help us better understand the ground conditions at potential work areas. Ground Investigations Ireland Ltd. are expected mobilise to site early September. Further site surveys carried out by our own structural and environmental specialists will also be underway during the next few months.

## **NEXT STEPS**

- Further surveys – including site investigation
- Options Development and Selection
- Environmental Assessments of Preferred Options
- Public Participation Day
- Finalisation of Options

## SCHEME ROADMAP

The estimated timeline for the main project elements is as follows.

|                  |  |         |
|------------------|--|---------|
| <b>Ongoing</b> → | Site Surveys and Ground Investigation    | Q3 2022 |
| <b>Ongoing</b> → | Options Development                      | Q3 2022 |
| <b>Ongoing</b> → | Ecological and Environmental Assessments | Q2 2023 |
|                  | Preparation of Planning Submission       | Q4 2023 |
|                  | Planning Application                     | 2024    |
|                  | Detailed Design                          | 2024    |
|                  | Tender Process                           | 2025    |
|                  | Construction Works                       | 2026    |

## PROJECT TEAM KEY PERSONNEL

**Joe Craig** | Dún Laoghaire Rathdown County Council | *Project Manager*

**Thomas Cooney** | Office of Public Works | *Project Manager*

**Jonathan Cooper** | Design Consultants | *Project Director*

**Eoin Dunphy** | Design Consultants | *Project Manager*

## CONTACT US

In addition to these regular newsletters, you can also keep in touch with the project through our website, where we will be posting updates on progress and details of works that are ongoing.

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