

Newsletter

Naas Flood Relief Scheme



Tionscadal Éireann
Project Ireland
2040



OPW
Óifig na
#Oibríochtaí Poiblí
Office of Public Works



Comhairle Contae Chill Dara
Kildare County Council



HR Wallingford

ARUP



Background to the Scheme

As part of the implementation of the EU Floods Directive, the OPW undertook Catchment Flood Risk Assessment and Management (CFRAM) Studies between 2012 and 2018. These studies examined 80% of Ireland's major source of flooding across 300 communities in the largest study of flood risk ever undertaken by the State.

The findings from the CFRAM Studies are set out in a series of Flood Risk Management Plans (available at <http://www.floodinfo.ie/>). The Plans provide the outline of 118 proposed schemes that can protect 11,500 properties. The OPW is now working closely with the Local Authorities to commence the implementation of the first tranche of prioritised schemes.

The Eastern CFRAM Study Area included Naas as an Area for Further Assessment (AFA). The study carried out in partnership with Kildare County (KCC) and other Local Authorities concluded that a flood relief scheme would be viable and effective for Naas and it's development should be prioritised.

The Project Objective, is to advance and implement a flood relief scheme for Naas, if feasible. It is noted that there is high uncertainty regarding the flood risk in Naas due to the lack of model calibration events and possible interconnectivity between river system, surface water drainage and canal systems. Despite the uncertainty, it is still considered appropriate that the outline of a potential option is developed and progressed in conjunction with further data collection and analysis. Thus, Kildare County Council, in partnership with OPW have now appointed Arup to assess, develop and design a viable, cost- effective and environmentally sustainable flood relief scheme for Naas.

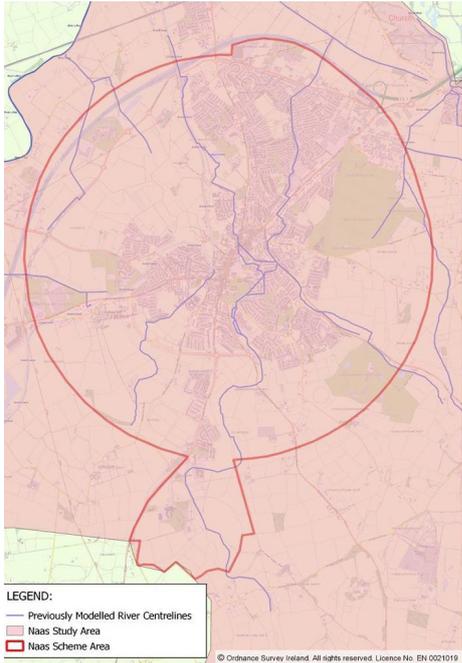


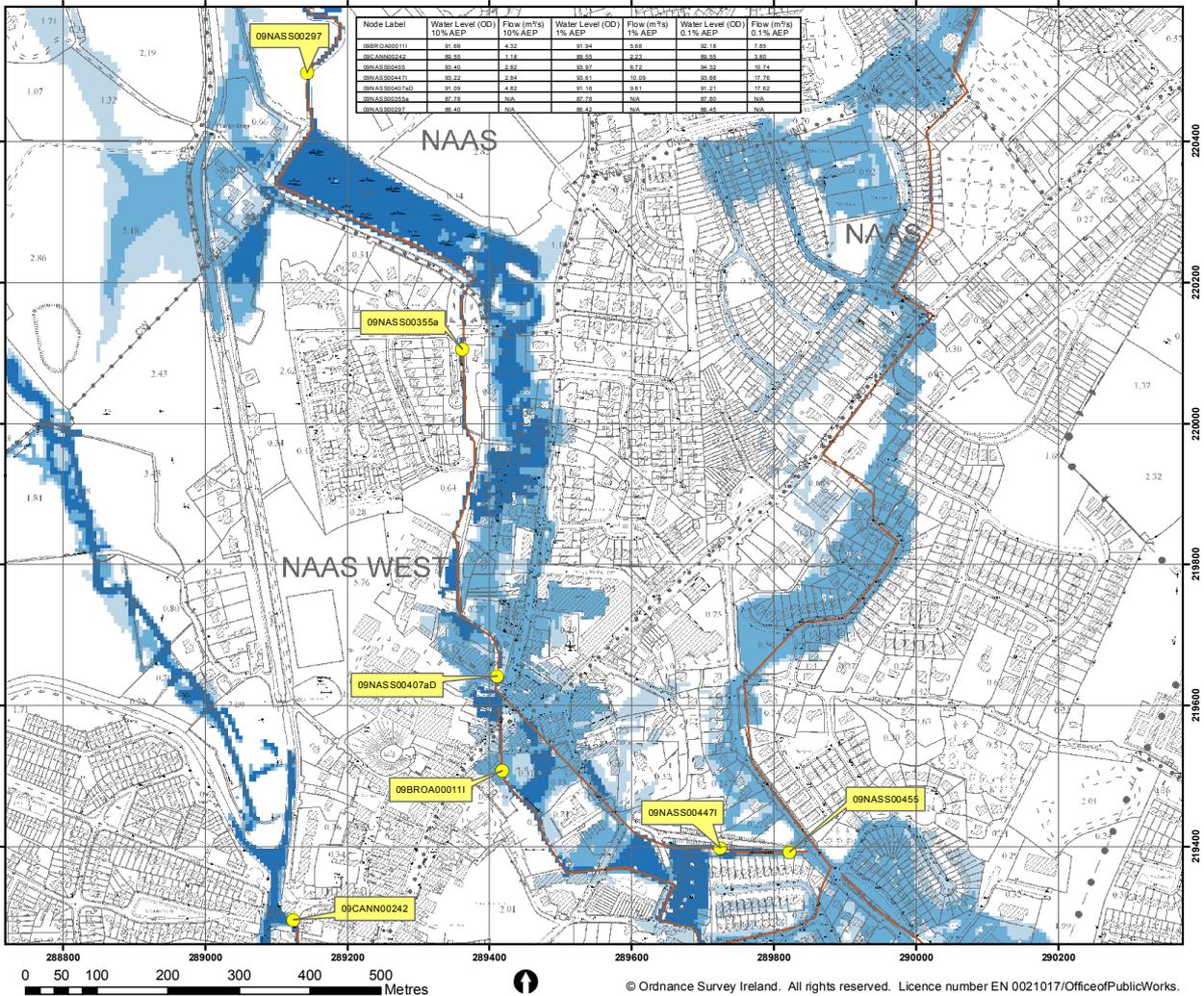
Figure Study Area

Study Area

The scheme objective is to provide protection to all domestic and commercial properties at risk of flooding, up to the design standard of protection including an allowance for climate change adaptation (See Figure Study Area).

Consideration will also be given to additional measures located outside of the main scheme extent to assist with provision of flood relief measures in the areas described above.

Figure Naas Fluvial Flood Extents (CFRAMS extract)



Additional Information & Contact Details

Additional information in relation to overall progress, current news items and project reports can be found on the Naas Flood Relief Scheme project website. The project team can be reached at the Naas FRS email address.



Project website:
www.floodinfo.ie/frs/en/naas/home/



Email address:
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Next Steps

Data Collection: Over the past few weeks, several types of data have been collected and reviewed, including data from utilities to national bodies. The data review will allow us to specify the areas that need to be surveyed to help a better understanding of the watercourses running through the Naas study area for accurate hydraulic and hydrological modelling.

Surveys: Naas surveys will likely start in the beginning of 2021, including topographic, hydrographic, culvert and site services surveys. These will be sub-contracted and will last for circa 6 weeks.

In the following 6 months, the design team will work on:

- Procurement and Management of Surveys
- Hydrological assessment of flows
- Hydraulic model development

The Engineering Study for the Naas Flood Relief Scheme will be delivered in the following stages:

Engineering Study	
Stage I	Data Gathering, Surveying and SI
	Hydrology Study & Hydraulic Modelling
	Flood Risk Management Options
	Selection of Preferred Option
Stage II	Environmental Impact Assessment/ Planning
Stage III	Detailed Design
Stage IV	Construction
Stage V	Handover of Works

Outline Project Programme

Stage	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Stage I	■									
Stage II				■						
Stage III					■					
Stage IV						■				
Stage V									■	

■ Programmed activities ■ Subject to approval and funding

Note: Timelines are the current best estimate but are subject to revision.