

Strategic Flood Risk Assessment NUI Galway Campus	
Area of Work	Flood Risk Assessment – Hydrology and Flood Modelling
Name of Client	Buildings Dept. NUI Galway
Role of Service Provider	Consultant evaluating Flood Risk to University buildings from various flood sources and designing flood defence measures.
Project Delivery Date	2010 to present

PROJECT DETAILS

As a consequence of significant flood damage to Campus Buildings in UCC from the River Lee in November 2009., Hydro Environmental Ltd. was appointed as Flood Risk Consultants to advise the Building's Office NUI Galway in respect to flood risk to all of the university buildings, both on and off campus. The brief also involved identifying necessary flood defence measures that reduce flood risk and defend strategic infrastructure within the university.

The studies involved hydrological and coastal flood assessments, hydraulic modelling of the River Corrib and the hydraulic control on flood levels imposed by the Salmon Weir Barrage structure. Flood maps were prepared for current case and future climate change cases. Flood relief measures designed and implemented were flood walls, flow control penstocks, maintenance of channel masonry walls, provision of non-return valves and maintenance dredging and replacement of undersized culverts along the distillery stream.



Hydro Environmental Ltd. is currently retained by NUI Galway to update the FRA and to provide flood risk assessment and hydrological services in respect to new developments requiring planning applications.



Most recently in 2022 Hydro Environmental Ltd. carried out a site selection process for the proposed new Sports Centre Development on the River Corrib in respect to the most suitable site for a floating pontoon quay.