

RELEVANT PROJECT EXPERIENCE – PROJECT DETAILS

Project Title	Ennis Minor Flood Relief Schemes for Karst Flooding
Relevant Team Member	Anthony Cawley (Hydro Environmental Ltd)
	Hydro environmental Ltd

Short Project Description:

As a follow on to the Ennis Flood Study and Flood Relief Scheme and as a direct consequence of the November 2009 flood event Hydro Environmental Ltd. was Commissioned by Clare Co. Council to design flood relief measures for three karst flood related problem locations in Ennis. These were

- Flooding of the Gort Road and Industrial Estate from the Lough Girroga Turlough
- Flooding at the Ballybeg Swallow Hole Limerick Road.
- Flooding at St Flannan's College Sluggera, Limerick Road

The Study Involved estimation of the November Flow rates using rainfall runoff analysis and flood estimation methods, assessment of existing capacity and downstream spring outlets, Flood mapping, cost benefit-analysis, hydrological impact assessment of proposed scheme, design of spillway and overflow culverts.

The flood relief measures identified involved overflow culverts with Spillway inlets and outfall structures to divert flow to the River Fergus and also involved designing a number of downstream flood relief measures to mitigate the impact of diverted flows on the River Fergus and back-drain lands.

