



## PROJECT EXPERIENCE

### WATERWAYS IRELAND LOWER BANN NAVIGATION—INSPECTION OF ASSETS

CEI Collins Engineers Ltd. undertook an above water and underwater inspection of assets for Waterways Ireland, along the Lower Bann Navigation, which runs from Lough Neagh to Coleraine in Northern Ireland.

Collins conducted a detailed visual and tactile inspection of 400 m of masonry weir, 5 masonry lock chambers, 150 m of river wall, 120 m of stone revetment and a culvert, using a 4 person team of engineer-divers. Channel bed soundings were also taken around each structure. Collins had to overcome fast river currents to satisfactorily complete the assignment.

Chartered Engineer's Reports were prepared for each facility which documented all defects and contained photographs, general arrangement and defects drawings, along with condition ratings and repair recommendations for each structure.